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## UNITED STATES DEPARTMENT OF AGRICULTURE

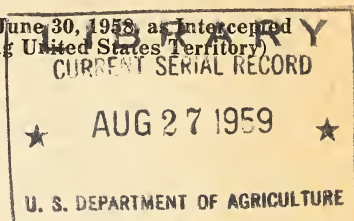
AGRICULTURAL RESEARCH SERVICE  
PLANT QUARANTINE DIVISION

## LIST OF INTERCEPTED PLANT PESTS, 1958

(List of Pests Recorded From July 1, 1957, Through June 30, 1958, as Intercepted In, On, or With Plants and Plant Products Entering United States Territory)

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## INTRODUCTION



This report, covering the 45th year for which interception lists have been issued, summarizes the records of insect pests, plant pathogens, and certain other organisms found in, on, or with plant products (1) imported; (2) offered for but refused entry; (3) held as ships' stores, etc., and hence not offered for entry through customs; (4) offered for entry for immediate transportation and exportation in bond; and (5) in domestic shipments between the American Virgin Islands, Hawaii, and Puerto Rico and the mainland.

The pests listed include insects, snails, fungi, bacteria, nematodes, and viruses causing injury of known or potential plant quarantine significance to the United States. Some common organisms are included if they are (1) new to the country of origin, (2) new to the host plant, or (3) of such limited distribution in the United States that they are worthy of mention.

The data for this list, which includes some for the previous year, are largely obtained from identifications made by specialists of the Entomology Research Division and Plant Quarantine Division, supplemented by information supplied by State officials. Some, however, represent critical studies and determinations made by specialists of the Crops Research Division who also identified many of the host plants cited.

All scientific names are reviewed by specialists in the Department to assure conformance to the International Rules of Nomenclature.

Every effort is made to give the correct origin for all collections listed; questionable cases are omitted or the origin is listed as unknown.

## INTERCEPTIONS FROM AIRBORNE MATERIAL

Air importations from many parts of the world continue to bring an increasing number of viable plant pathogens, living insects, and other pests, which require constant vigilance to apprehend them at the ports of entry.

During the year, 5,502 pest interceptions were made from plant material arriving in baggage, express, freight, mail, and stores. Of the total, 4,898 were insects carried on plant parts or as stowaways, and 604 were plant diseases.



Some important insect interceptions in airborne material were:

*Adoxophyes orana* on lilac in cargo from the Netherlands.

The citrus blackfly (*Aleurocanthus woglumi*) on citrus leaves in baggage from Mexico and Nicaragua; and on citrus leaves in stores from Mexico.

The Mexican fruit fly (*Anastrepha ludens*) in mango in baggage from Mexico; in orange in baggage from Guatemala and Mexico; in orange in stores from Guatemala; and in pomegranate in baggage from Mexico.

The West Indian fruit fly (*Anastrepha mombinpraeoptans*) in guava in baggage from Mexico; in Malay-apple in baggage from Guatemala; in mango in baggage from Central America, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, and Puerto Rico; in mango in cargo from Cuba; in mango in mail from Puerto Rico; in purple mombin in baggage from El Salvador, Guatemala, Honduras, and Nicaragua; in purple mombin in quarters from Central America (country (?)); and in yellow mombin in baggage from Honduras(?) and Nicaragua. *A. mombinpraeoptans*(?) in yellow mombin in baggage from Trinidad.

*Apion carduorum* in globe artichoke in baggage from Italy.

The Mediterranean fruit fly (*Ceratitis capitata*) in cactus fruit in baggage from Italy; in coffee in preflight inspection of baggage leaving Hawaii for the mainland; in fig in baggage from Italy; in guava in baggage from the Azores and Portugal; in Mandarin orange in baggage from Israel and Libya; in mango in baggage from Egypt; in olive in baggage from Italy; in orange in baggage from the Azores, Israel, and Italy; in orange in quarters from the Azores; in orange in stores from the Azores and Italy; in peach in baggage from Italy and Tunisia and in peach in stores from Italy; in pear in baggage from Italy and in pear in stores from France(?); and in plum, pomegranate, and quince in baggage from Italy. *C. capitata*(?) in orange in baggage from Brazil; in orange in stores from Spain; and in sweet lime in stores from the Azores.

The Asiatic rice borer (*Chilo suppressalis*) in rice straw jackets in baggage from Portugal(?).

*Cylas formicarius* ssp. in sweetpotato in cargo from the Philippines; and in sweetpotato in quarters from Thailand.

*Cylas formicarius* var. in sweetpotato in cargo from the Philippines.

*Cylas formicarius formicarius* in sweetpotato in cargo from the Philippines and Thailand; and in sweetpotato in stores from the Philippines and Singapore.

The oriental fruit fly (*Dacus dorsalis*) in avocado, bitter almond, coffee, mango, *Passiflora* sp., and vi-apple in preflight inspection of baggage leaving Hawaii for the mainland; and in vi-apple in preflight inspection of mail leaving Hawaii for the mainland. *D. dorsalis*(?) in pomegranate in preflight inspection of baggage leaving Hawaii for the mainland.

The olive fruit fly (*Dacus oleae*) in olive in baggage from Italy. *D. oleae*(?) in olive on tray of hors d'oeuvres from an unknown origin.

Tahitian coconut weevil (*Diocalandra taitensis*) on coconut in preflight inspection of baggage leaving Hawaii for the mainland.

*Malacosoma neuustria* in cherry cuttings in baggage from Japan.

*Maruca testulalis* with mauna loa lei in preflight inspection of baggage leaving Hawaii for the mainland; in peas in mail from Puerto Rico; and in string bean in baggage from Puerto Rico.

The pink bollworm (*Pectinophora gossypiella*) in cotton boll in baggage from Jamaica; in cottonseed in baggage from Cuba and Paraguay; in Malvaceae seed in cargo from Angola; and in okra in baggage from Barbados.

The European corn borer (*Pyrausta nubilalis*) in pepper in baggage from Italy; and in tomato in stores from Italy.

*Rhagoletis cerasi* in cherry in baggage from Belgium, Germany, Italy, Spain, and Switzerland; in cherry in quarters from France; and in cherry in stores from the Azores, France, Italy, Portugal, and an unknown origin.

Interceptions of airborne plant pathogens of interest were:

*Cercospora coffeicola* on coffee leaves in baggage from Brazil and El Salvador.

*Cercospora insulana* on statice in baggage from Peru.

*Chrysomya ledi* var. *rhododendri* on rhododendron leaves in baggage from Switzerland and in mail from Austria and Switzerland.

*Colletotrichum crassipes* on *Crataegus* sp. in baggage from El Salvador.

*Curvularia geniculata* on betel palm in express from Pakistan.

*Elsinoe australis*, the sweet orange scab, on lemon in baggage from an unknown



origin and in stores from Brazil; on orange in baggage from Brazil and an unknown origin; and on orange in stores from Argentina.

*Phoma citricarpa* (the black spot of citrus) on *Citrus* sp. peel in baggage from Hong Kong and the Philippines; on lemon in stores from Australia, the Union of South Africa, and an unknown origin; on Mandarin orange in baggage from China, Hong Kong, Japan, Philippines, and Thailand; on Mandarin orange in quarters from an unknown origin and in stores from Japan; on orange in baggage from an unknown origin; on orange in quarters from the Union of South Africa; on orange in stores from Australia, the Union of South Africa, and an unknown origin; and on Satsuma orange in baggage from China.

*Puccinia horiana* on chrysanthemum in baggage, quarters, and stores from Japan.

*Septoria selenophomoides* on an orchid leaf in cargo from the Union of South Africa.

*Sphaceloma fawcettii* var. *scabiosa* on lemon in stores from Australia.

*Sphenospora kevorkianii* on *Huntleya* sp. in baggage from Costa Rica.

*Uromyces commelinae* on *Geogenanthus* sp. leaf in cargo from Colombia.

*Xanthomonas citri* (citrus canker) on grapefruit(?) peel in baggage from Pakistan; on lime and sour lime in baggage from India; and on orange in baggage and stores from Japan.

"Yellow spot" virus on camellia leaf in baggage from the Netherlands.

The following nematodes were found in airborne material:

*Gotholdsteineria goodeyi* in soil with plants in baggage from Ireland.

*Helicotylenchus erythrinae* in soil with garlic in baggage from Ireland.

*Helicotylenchus multicinctus* in soil with roots of banana plants in baggage from Cuba.

*Helicotylenchus nannus* in soil on unknown roots in baggage from the Netherlands.

The oat nematode (*Heterodera avenae*) in soil with spruce seedlings in baggage from Germany.

The golden nematode (*Heterodera rostochiensis*) in soil with cactus plant in baggage from Scotland; in soil with assorted plants in baggage from Ireland; in soil with potatoes in baggage from Ireland and Peru; and in soil with shamrock roots in cargo from Ireland.

*Scutellonema brachyurum* in soil with unidentified plants in baggage from Greece.

*Tylenchorhynchus acutus* in soil with unknown plants in baggage from Cuba.

## NOTES ON INSECTS INTERCEPTED

### FRUIT FLIES

The following fruit flies were intercepted:

The Mexican fruit fly (*Anastrepha ludens*) in avocado in baggage from Mexico; in grapefruit in baggage and quarters from Mexico; in mamey sapote in baggage from Mexico; in mango in air baggage, baggage, and quarters from Mexico; in orange in air baggage and air stores from Guatemala; in orange in air baggage, baggage, cargo, quarters, and stores from Mexico; in peach in baggage from Mexico; in pomegranate in air baggage from Mexico; and in quince, sour orange, and sweet lime in baggage from Mexico.

The West Indian fruit fly (*Anastrepha mombinpraeoptans*) in guava in air baggage from Mexico; in Malay-apple in air baggage from Guatemala; in mango in air baggage from Central America (country(?)), Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, and Puerto Rico; in mango in baggage from El Salvador, Haiti, Jamaica, Mexico, and Puerto Rico; in mango in aircargo from Cuba; in mango in airmail from Puerto Rico; in mango in quarters from Guatemala and Jamaica; in mango in stores from Costa Rica, Dominican Republic, Guatemala, Haiti, Jamaica, and Mexico; in purple mombin in air baggage from El Salvador, Guatemala, Honduras, and Nicaragua; in purple mombin in air quarters from Central America (country(?)); and in yellow mombin in air baggage from Honduras(?) and Nicaragua. *A. mombinpraeoptans*(?) in yellow mombin in air baggage from Trinidad.

*Anastrepha serpentina* in *Lucuma psammophila* in mail from Brazil; and in mamey sapote in baggage from Mexico.

*Anastrepha striata*(?) in guava in baggage from Mexico.

The Mediterranean fruit fly (*Ceratitis capitata*) in cactus fruit in air baggage from Italy; in coffee in baggage from Hawaii; in fig in air baggage and baggage from Italy; in guava in air baggage from the Azores and Portugal; in lemon in baggage from Italy; in Mandarin orange in air baggage from Israel and Libya; in Mandarin orange in baggage from Italy; in Mandarin orange in mail from Tunisia; in Mandarin orange in stores from Italy; in mango in air baggage from Egypt; in olive in air baggage from Italy; in orange in air baggage from the Azores, Israel, and Italy; in orange in air quarters from the Azores; in orange in air stores from the Azores and Italy; in orange in quarters from Argentina and Italy; in orange in stores from Egypt, Israel, Italy, Lebanon, and Spain; in peach in air baggage from Italy and Tunisia; in peach in air stores from Italy; in pear in air baggage from Italy; in pear in air stores from France(?); in pear in baggage from Greece and Italy; in pear in stores from Greece, Italy, and Spain; in plum in air baggage from Italy; in pomegranate in air baggage and baggage from Italy; in pricklypear in baggage from Italy; in quince in air baggage from Italy; and in quince in baggage from Greece and Italy. *C. capitata*(?) in bell pepper in stores from Belgian Congo; in orange in air baggage from Brazil; in orange in air stores from Spain; in orange in stores from the Union of South Africa; and in sweet lime in air stores from the Azores.

The melon fly (*Dacus cucurbitae*) in balsam-pear in baggage from Hawaii; an adult and eggs on *Momordica* sp. in mail from Hawaii; and in string bean, tomato, and zucchini squash in stores from Hawaii. *D. cucurbitae*(?) in cucumber in stores from Hawaii.

The oriental fruit fly (*Dacus dorsalis*) in avocado in preflight inspection of baggage leaving Hawaii for the mainland; in avocado in quarters from Hawaii; in banana in baggage from an unknown origin; in banana in quarters and stores from Hawaii; in bitter almond in preflight inspection of baggage leaving Hawaii for the mainland; in *Calophyllum inophyllum* in mail leaving Hawaii for the mainland; in immature coconut in baggage from Hawaii; in coffee in preflight inspection of baggage leaving Hawaii for the mainland; in Malay-apple in mail leaving Hawaii for the mainland; in mango in baggage and quarters from Hawaii; in mango and *Passiflora* sp. in preflight inspection of baggage leaving Hawaii for the mainland; in tomato in stores from Hawaii; and in vi-apple in preflight inspection of mail leaving Hawaii for the mainland. *D. dorsalis*(?) in bitter almond in mail leaving Hawaii for the mainland; in coffee in preflight inspection of baggage leaving Hawaii for the mainland; in coffee in mail leaving Hawaii for the mainland; and in pomegranate in preflight inspection of baggage leaving Hawaii for the mainland.

The olive fly (*Dacus oleae*) in olive in baggage from Italy and Spain and in air baggage and mail from Italy. *D. oleae*(?) in olives on tray of hors d'oeuvres in air stores from an unknown origin.

*Euleia heraclei*(?) in celery in stores from Italy.

*Rhagoletis cerasi* in cherry in air baggage from Belgium, Germany, Italy, Spain, and Switzerland; in cherry in air quarters from France; in cherry in air stores from the Azores, France, Italy, Portugal, and an unknown origin; and in cherry in cargo from Italy.

*Rhagoletis juglandis* in black walnut in baggage from Mexico.

#### INSECTS OTHER THAN FRUIT FLIES

The following insects of unusual interest were intercepted:

*Acrolepia assectella* (Hyponomeutidae) in leek in stores from Belgium, France, Italy, and the Netherlands; and in turnip in stores from an unknown origin.

*Adoxophyes orana* (Tortricidae) with lilac in aircargo from the Netherlands.

The citrus blackfly (*Aleurocanthus woglumi*) on citrus leaves in air baggage from Mexico and Nicaragua; and on citrus leaves in baggage and stores from Mexico.

*Aleurotrachelus camelliae* (Aleyrodidae) on camellia cuttings and leaves in mail from Japan.

A curculionid, *Anthonomus rectirostris*, in black cherry in mail from Belgium.

*Apion carduorum* (Curculionidae) in globe artichoke in air baggage from Italy.

A noctuid, *Barathra brassicae*, in Chinese and petsai cabbage in stores from Japan.

*Brachycerus albidentatus* (Curculionidae) in garlic in cargo from Italy.

*Bruchus tristis* (Bruchidae) in bean and broadbean in baggage from Italy; in chickpea in baggage from Greece; in grass pea in mail from Italy; in legume seed



in air baggage from an unknown origin; and in lupine seed in baggage from Italy.

A coccid, *Ceroplastes rubens*, on *Alpinia purpurata* leaf in preflight inspection of aircargo leaving Hawaii for the mainland; on anthurium leaf in mail leaving Hawaii for the mainland; on camellia plants in baggage from Japan; on camellia plant in mail from Formosa; on cotoneaster plant and English ivy in air baggage from Japan; on finetooth holly in cargo from Japan; on gardenia in air baggage from Japan; on gardenia and maile in preflight inspection of air baggage leaving Hawaii for the mainland; on maile in mail leaving Hawaii for the mainland; on *Metrosideros collina* in preflight inspection of air baggage leaving Hawaii for the mainland; and on rhododendron in baggage from Japan.

The Asiatic rice borer (*Chilo suppressalis*) in rice straw in air baggage from Portugal(?); in rice straw in baggage from Korea; and in rice straw in baggage, cargo, and stores from Japan.

*Conotrachelus aguacatae* (Curculionidae) in avocado in baggage and quarters from Mexico.

*Curculio elephas* (Curculionidae) in chestnut in air baggage from Greece, Italy, and Portugal; in chestnut in baggage from Greece, Italy, Portugal, and Spain; in chestnut in cargo from Italy; in chestnut in mail from Italy; in chestnut in quarters from Turkey; in chestnut in stores from France, Italy, and Portugal; in European oak in cargo from Italy; in holly oak in mail from Italy; and in acorn in baggage from Italy.

A curculionid, *Cylas formicarius formicarius*, in sweetpotato in aircargo from the Philippines and Thailand; in sweetpotato in cargo from Hong Kong and Thailand; in sweetpotato in quarters from an unknown origin; and in sweetpotato in stores from India, Philippines, and Singapore.

*Cylas puncticollis* (Curculionidae) in sweetpotato in stores from Nigeria and Sierra Leone.

An aleyrodid, *Dialeurodes kirkaldyi*, on Arabian jasmine in preflight inspection of baggage leaving Hawaii for the mainland; on Arabian jasmine in baggage from the Philippines; on gardenia in baggage from Hawaii; and on star jasmine in preflight inspection of baggage leaving Hawaii for the mainland.

*Diaprepes abbreviatus* (Curculionidae) on *Pothos* sp. in aircargo from Puerto Rico.

A pyraustid, *Dichocrocis punctiferalis*, in peach in quarters from Japan.

*Dyspessa ulula* (Cossidae) in garlic in cargo from Italy and Spain; and in garlic in stores from Spain.

*Epichorista ionephela* (Tortricidae) with chinkerichee in baggage, cargo, and mail from the Union of South Africa.

An olethreutid, *Gymnandrosoma aurantianum*, in grapefruit in stores from Mexico.

*Lampides boeticus* (Lycaenidae) in leis made of *Canavalia* sp. in preflight inspection of baggage leaving Hawaii for the mainland.

An olethreutid, *Laspeyresia splendana*, in chestnut in air baggage from Italy and Portugal; in chestnut in baggage from the Azores, France, Greece, Italy, Philippines, Portugal, and Spain; in chestnut in cargo from Italy; and in chestnut in stores from France.

*Leucinodes orbonalis* (Pyraustidae) in eggplant in stores from Nigeria.

*Lobesia botrana*(?) (Olethreutidae) in grape in baggage from Italy.

*Malacosoma neustria* (Lasiocampidae) in cherry cuttings in air baggage from Japan.

A phalaenid, *Mamestra brassicae*, in cabbage in stores from Belgium.

A bean pod borer, *Maruca testulalis*, in leis made of *Canavalia* sp. in preflight inspection of baggage leaving Hawaii for the mainland; in civet bean in stores from Hawaii; in pea in air mail from Puerto Rico; in pigeonpea in cargo leaving Puerto Rico for the mainland; in string bean in preflight inspection of baggage leaving Puerto Rico for the mainland; in string bean in cargo and airmail from Puerto Rico; and in string bean in stores from Brazil, Ghana, and Japan.

An olethreutid, *Olethreutes leucotreta*, in grapefruit in stores and in orange in air quarters from the Union of South Africa.

*Prays endocarpa* (Hyponomeutidae) in pummelo in stores from the Federation of Malaya.

*Prays oleelus* (Hyponomeutidae) on olive leaf in air baggage from Italy.

A chrysomelid, *Psylliodes chrysoccephala*, in turnip in stores from France.

*Stephanoderes hampei* (Scolytidae) in coffee in cargo from Brazil; and in coffee in stores from Egypt and India.

A mango weevil, *Sternochetus mangiferae*, in mango in air baggage from Australia; in mango in preflight inspection of baggage leaving Hawaii for the mainland; in mango in airmail from Guam, Philippines, and Vietnam; in mango in air quarters from Eniwetok(?); in mango in air stores from Vietnam; in mango in baggage from Hawaii and the Philippines; in mango in mail leaving Hawaii for the mainland; and in mango in quarters and stores from Hawaii.

The khapra beetle (*Trogoderma granarium*) with almond shells and cashew nuts in mail from India; with used bagging in cargo from the Netherlands; with dried beans in stores from the Netherlands; in flour in stores from England, Italy, Netherlands, and the Union of South Africa; with dried peaches in stores from an unknown origin; with peanuts in airmail from Portugal; with rice in stores from Brazil, China, Formosa, and an unknown origin; on old rice bags in stores from India; and in wheat bran in baggage from Mexico.

#### SNAILS

The giant African snail (*Achatina fulica*) was intercepted twice with military cargo from Morocco.

*Porphyrobaphe iostoma*, not in the United States and not injurious under normal conditions, was intercepted six times with bananas in cargo from Ecuador.

*Theba pisana*, an injurious snail not known to be established in the United States, was intercepted 33 times; 28 of these came in military cargo in aircargo and cargo from Morocco; once in military cargo in aircargo from Libya; once in general cargo from the Mediterranean region; once each on conex boxes in cargo from Morocco and Spain; and once on parsley in stores from Spain.

Other snails of economic importance, but of limited distribution in the United States, intercepted and worthy of mention were: *Arion circumscriptus*, *Bradybaena similis*, *Cepaea nemoralis*, *Deroceras reticulatum*, *Limax marginatus*, *L. maximus*, *Milax gagates*(?), *Orychilus allarius*, *Vallonia pulchella*, and *Zonitoides arboreus*.

#### NOTES ON DISEASES INTERCEPTED

The sweet orange scab (*Elsinoe australis*) was intercepted 51 times; 8 of these interceptions came from Argentina on lemon and orange; 39 from Brazil on grapefruit, lemon, Mandarin orange, and orange; and 4 were of unknown origin on lemon, orange, and sour lime.

Citrus canker (*Xanthomonas citri*) was intercepted 79 times; 68 of these came from Japan, 3 each from Hong Kong and India, 2 from China, and 1 each from the Federation of Malaya, Pakistan, and Singapore. These interceptions were made from the following hosts: *Citrus* sp., grapefruit, lemon, lime, Mandarin orange, orange, pummelo, sour lime, and sour orange.

Cancrosis B (*Xanthomonas* sp.), another bacterial disease of citrus, producing symptoms similar to citrus canker, was intercepted four times from Argentina on lemon and grapefruit.

The black spot of citrus (*Phoma citricarpa*) was intercepted 165 times; 45 of these came from Hong Kong, 33 from the Union of South Africa, 25 from Japan, 21 from China, 16 from Australia, 14 of unknown origin, 2 each from the Federation of Malaya, Formosa, Philippines, and Singapore, and 1 each from Africa (country(?)), Brazil, and Thailand. These interceptions were made on the following hosts: *Citrus* sp., grapefruit, lemon, Mandarin orange, orange, Satsuma orange, sour lime, and sour orange.

Other interceptions were:

*Chrysomya ledi* var. *rhododendri* on rhododendron in air baggage, airmail, cargo, and mail from Switzerland; in airmail from Austria; and in baggage from Canada and Germany.

*Griphosphaeria corticola* on rose canes in aircargo from Germany.

*Tilletia contraversa* on rye seed in mail from Afghanistan.

*Urocystis gladiolicola* on gladiolus corms in cargo from the Netherlands.

"Yellow spot" virus on camellia leaves in air baggage from the Netherlands.

#### NEMATODES

The oat nematode (*Heterodera avenae*) was intercepted 18 times from the following countries: Czechoslovakia, England, Europe (country(?)), Germany, Israel, Italy, and Spain. These interceptions were taken in soil with the following: Automobiles, carnation, cypress, and juniper plants, dahlia roots, garlic, onions, *Ornithogalum saundersiae*, potatoes, primrose plant, spruce seedlings, and unknown plants.



The golden nematode (*Heterodera rostochiensis*) was intercepted 48 times from the following countries: Argentina, Denmark, England, Germany, Ireland, Malta, Mexico, Peru, Scotland, and Sweden. These interceptions were taken in soil from new and used automobiles and in soil with bulbs, plant material, and vegetables.

Other nematodes of special interest were:

*Gotholdsteineria goodeyi* in soil with unknown plants in air baggage from Ireland.

*Helicotylenchus erythrinae* in soil with garlic in air baggage from Ireland and in soil with unknown plants in baggage from Mexico.

*Helicotylenchus multicinctus* in soil with roots of banana plants in air baggage from Cuba.

*Helicotylenchus nannus* in soil with begonia, carnation, coleus, mint, and unknown plants and unknown herbs in baggage from Mexico; and in soil with unknown roots in air baggage from the Netherlands.

*Psilenchus hilarulus* with bougainvillea, hibiscus, cactus, coleus, fern, and herbaceous plants in baggage from Mexico.

*Scutellonema christiei* in soil with caladium plants, palm, and an unknown plant in baggage from Trinidad.

*Tylenchorhynchus acutus* in soil with coleus plant in baggage from Mexico; and in soil with unknown plants in air baggage from Cuba.

*Tylenchorhynchus capitatus* in soil with succulent and unknown plants in baggage from Mexico.

*Tylenchorhynchus martini* in soil with boraginaceous and India rubber tree plants in baggage from Mexico.

*Tylenchulus semipenetrans* with *Citrus* sp. tree in baggage from Italy.

*Tylenchus davainei* in soil and moss in mail from Germany.

*Tylenchus polyhypnus* with bougainvillea and hibiscus plants in baggage from Mexico.

The genus *Meloidogyne* continues to represent a pest problem. During the year various plant shipments and vegetables have been found infected with one or more of the following species: *Meloidogyne arenaria*, *M. hapla*, *M. incognita*, *M. incognita acrita*, and *M. javanica*. They were intercepted from the following countries: Argentina, Australia, Bermuda, Brazil, Canada, Canal Zone, Colombia, Cuba, Egypt, England, Fiji Islands, France, French West Africa, Germany, Guatemala, Hawaii, India, Israel, Italy, Jamaica, Japan, Kenya, Mexico, Netherlands, New Guinea, Peru, Puerto Rico, Singapore, Trinidad, Union of South Africa, and West Africa.

### INCOMPLETELY DETERMINED PESTS

Frequently complete determinations as to species are impossible or impracticable due to the stage or condition of the insects or pathogens on arrival. Some of these pests may be of economic importance, hitherto unreported from the United States, unknown for the host plant, or they may come from a new country of origin. As a matter of record they are included in this separate list but not in the table form.

#### INSECTS

Among the incompletely determined insects were the following fruit flies:

*Anastrepha* sp., possibly *fraterculus*, at Charleston, S.C., in orange in stores from Brazil; and at Miami, Fla., in cherimoya in air baggage from Peru.

*Anastrepha* sp., probably *ludens*, at El Paso and Laredo, Tex., in orange in baggage from Mexico; at Nogales, Ariz., in mango in baggage from Mexico; at Progreso, Tex., in pear in baggage from Mexico; and at San Ysidro, Calif., in mango in baggage from Mexico.

*Anastrepha* sp., probably *mombinpraeoptans*, at Brownsville, Tex., in mango in air baggage from El Salvador and Nicaragua; in purple mombin in air baggage from Guatemala and Nicaragua; and in *Psidium* sp. (wild guava) in baggage from El Salvador; at Charleston, S.C., in mango in air baggage from Panama; at Jacksonville, Fla., in mango in stores from Panama; at Miami, Fla., in mango in air baggage from Colombia and Panama; and in Mandarin orange in air stores from Peru; at Mobile, Ala., in mango in quarters from Trinidad; at New Orleans, La., in guava in air baggage from Guatemala; in mango in baggage

and quarters from Ecuador; and in purple mombin in air baggage from Central America (country?) and Guatemala; and at San Juan, P.R., in mango in air baggage from Barbados.

*Anastrepha* sp., probably *serpentina*, at Brownsville, Tex., in mamey sapote in air baggage from Guatemala; and in sapodilla in air baggage from El Salvador; and at Laredo, Tex., in mamey in baggage from Mexico.

*Anastrepha* sp., probably *striata*, at Brownsville, Tex., in guava in air baggage from Costa Rica, El Salvador, and Nicaragua; and in guava in baggage from Mexico; at Calexico, Calif., in guava in baggage from Mexico; at Laredo, Tex., in guava in baggage from Mexico; at Miami, Fla., in mango in air baggage from Panama; and at Nogales, Ariz., in guava in baggage and cargo from Mexico.

*Anastrepha* sp., possibly *suspensa* (Loew), at Chicago, Ill., in guava in airmail from Puerto Rico; at Miami, Fla., in custard-apple in air baggage from the Dominican Republic; and in guava in air baggage from Cuba.

*Anastrepha* sp., at Baltimore, Md., in grapefruit in stores from Trinidad; and in orange in stores from Brazil and Colombia; at Baton Rouge, La., in orange in stores from Brazil; at Boston, Mass., in grapefruit, orange, and plum in stores from Brazil; at Brownsville, Tex., in guava in air baggage from El Salvador; in Malay-apple in air baggage from Costa Rica; in mango in air baggage from El Salvador, Guatemala, and Panama; and in sapote in quarters from Mexico; at Chicago, Ill., in guava in airmail from Puerto Rico; at Del Rio, Tex., in mango in baggage from Mexico; at El Paso, Tex., in guava and mango in baggage from Mexico; at Galveston, Tex., in mango in quarters from Jamaica; at Hidalgo, Tex., in orange in cargo from Mexico; at Houston, Tex., in orange in stores from Peru; and in Japanese plum in stores from Argentina; at Jacksonville, Fla., in grapefruit in stores from Brazil; at Laredo, Tex., in mamey sapote, mango, and pear in baggage from Mexico; at Miami, Fla., in bullock's-heart in air baggage from Ecuador; in *Cereus* sp. in air baggage from Colombia; in cherimoya in air baggage from Ecuador; in coffee berries in air baggage from Brazil, Colombia, and Costa Rica; in custard-apple in air baggage from Peru; in grapefruit in air baggage from Colombia; in guava in air baggage from Costa Rica and Cuba; in Mandarin orange in air stores from an unknown origin; in mango in air baggage from Chile, Colombia, El Salvador, and Peru; in orange in air baggage from Colombia; in orange in air stores from Brazil; in pomegranate in air baggage from Argentina; in purple mombin in cargo from Costa Rica; and in *Ximenia americana* in air baggage from Colombia and Nicaragua; at New Orleans, La., in orange in stores from Mexico; in purple mombin in air baggage from Guatemala; in star-apple in air baggage from Mexico; and in tropical almond in air baggage from Venezuela; at New York, N.Y., in mango in air baggage from Jamaica; in orange in air stores from an unknown origin; in sapodilla in air quarters from Venezuela; and in *Spondias* sp. in baggage from Venezuela; at Nogales, Ariz., in guava, mango, *Myrtus ehrenbergii*, and orange in baggage from Mexico; at Philadelphia, Pa., in orange in stores from Brazil; at San Juan, P.R., in coffee berries in air baggage from Brazil; in grapefruit in baggage from Trinidad; and in *Spondias* sp. in air baggage from Venezuela; at San Pedro, Calif., in guava in air baggage from Nicaragua; at San Ysidro, Calif., in mango in baggage from Mexico; at Tampa, Fla., in mango in quarters from Cuba; and in orange in stores from Argentina; and at Washington, D.C., in *Psidium* sp. in express from Brazil.

*Dacus* sp., possibly *passiflorae* Frogg., at Honolulu, Hawaii, in Tahiti-chestnut in air baggage from the Fiji Islands.

*Dacus* sp., perhaps *psidii* (Frogg.), at Honolulu, Hawaii, in Tahiti-chestnut in air baggage from American Samoa.

*Dacus* sp. at Boston, Mass., in cucumber and squash in stores from French West Africa; at Honolulu, Hawaii, in coffee berry in preflight inspection of air baggage leaving Hawaii for the mainland; and in peach in baggage from Australia; and at New York, N.Y., in *Citrus* sp., probably *reticulata*, in air baggage from Pakistan.

*Rhagoletis* sp., probably *cerasi*, at Boston, Mass., in cherry in air stores from an unknown origin.

*Rhagoletis* sp. at Brownsville, Tex., in apple in baggage from Mexico; and in *Crataegus* sp. in baggage from Mexico; at Del Rio and Eagle Pass, Tex., in apple in baggage from Mexico; at El Paso, Tex., in *Crataegus* sp. in baggage from Mexico; at Galveston, Tex., in apple in stores from Mexico; at Laredo, Tex., in apple in baggage from Mexico; at New York, N.Y., in apple in stores from Mexico; at Nogales, Ariz., in apple and *Crataegus* sp. in baggage from Mexico; and at San Antonio, Tex., in apple in air baggage from Mexico.



Thirty interceptions identified to family only, Tephritidae, were intercepted at the following ports: Baltimore, Md., in mango in stores from India; at Baton Rouge, La., in orange in stores from an unknown origin; at Boston, Mass., in cucumber in stores from French West Africa; in guava in air baggage from the Azores; and with mixed cut flowers in air baggage from France; at Brownsville, Tex., in apple in baggage from Mexico; and in mango in air baggage from Nicaragua; at Hoboken, N.J., in franchet cotoneaster in mail from Italy; and in palm fruit in mail from Borneo; at Honolulu, Hawaii, in coffee berry, guava, and vi-apple in preflight inspection of baggage leaving Hawaii for the mainland; at Jacksonville, Fla., in courbaril seed and seed of *Enterolobium cyclocarpum* in baggage from Panama; at Laredo, Tex., in pecan husk in baggage from Mexico; at Miami, Fla., in chayote in air baggage from Brazil; and in quince in air stores from Peru; at New Orleans, La., in sour orange in stores from Colombia; at New York, N.Y., in cucurbit in air stores from an unknown origin; in cotton boll in baggage from Greece; and in pricklypear in baggage from Italy; at Nogales, Ariz., pupa with yucca plant in cargo from Mexico; at San Antonio, Tex., in Mandarin orange in air baggage from Mexico; at San Francisco, Calif., in cucumber in stores from Hawaii; and in mango in baggage from Hawaii; and at Washington, D.C., in *Solanum tuberosum* fruit in mail from Chile.

An adult of *Tephritis* sp. at New York, N.Y., in hay packing in baggage from Norway.

Other incompletely determined insects worthy of mention were:

An aleyrodid, Aleurodicinae, new genus near *Aleurodicus*, at Laredo, Tex., on orchid leaf in cargo from Mexico; and at Nogales, Ariz., on orchid leaf in cargo from Mexico.

*Allocorhynus* sp. (Curculionidae), a very interesting group, apparently confined to cycads, at Brownsville, Tex., in *Dion edule* in cargo from Mexico.

*Alydus* sp. (Coreidae), new to the National Museum collection, at Charlotte Amalie, St. Thomas, with cabbage in baggage from Tortola.

Anchonini (Curculionidae), near *Anchonus*, a very interesting weevil, not in the National Museum collection, at New York, N.Y., with ginger in cargo from Cuba.

*Andrector* sp., probably *salvini* (Baly) (Chrysomelidae), at New York, N.Y., with peas in aircargo from Venezuela.

*Andrector* sp., probably *variabilis* Jac. (Chrysomelidae), at San Pedro, Calif., on an orchid plant in mail from the Canal Zone.

*Archips* sp. (Tortricidae) at Boston, Mass., with canna plants in baggage from Italy.

*Aspidiotus* sp. (Coccidae), not placed as a described species, was intercepted eight times at six different ports on fruits and plant material from the following countries: Brazil, China, Ecuador, Ghana, and Mexico.

*Asterolecanium* sp. (Aleyrodidae), apparently undescribed, at Miami, Fla., on palm leaf in airmail from the Canal Zone.

*Aulacaspis* sp. (Coccidae), an undescribed species, at Hoboken, N.J., on pseudobulb of *Coelogyne* sp. in cargo from India.

*Baris* sp. (Curculionidae) at Baltimore, Md., in horseradish in cargo from Germany; and at New York, N.Y., in horseradish in cargo from Poland.

*Batrachedra* sp. (Cosmopterygidae), probably a new species, at Brownsville, Tex., with *Yucca* sp. cuttings in baggage from Mexico; and at San Ysidro, Calif., with agave cuttings in baggage from Mexico.

*Brachyrhinus* sp. (Curculionidae) at New York, N.Y., in soil with primrose plants in baggage from Belgium.

*Bruchus* sp. (Bruchidae), apparently new to the National Museum collection, at Boston, Mass., in *Lathyrus* sp. seed in air baggage from the Azores.

*Bryobia* sp. (Tetranychidae), apparently a new species, at Seattle, Wash., on chrysanthemum in quarters from Japan.

*Carpocina* sp. (Carposinidae) at Hoboken, N.J., in kobus magnolia seed in cargo from Japan; and at New York, N.Y., in unknown berries in baggage from Greece.

*Crioceris* sp. (Chrysomelidae) at Chicago, Ill., on asparagus fern in air baggage from Germany; and on asparagus fern in air quarters from England.

*Diaprepes* sp. (Curculionidae) at New York, N.Y., in yam in baggage from Jamaica; and at San Juan, P.R., in cargo leaving for the mainland.

*Epicaerus* sp. (Curculionidae) was intercepted 18 times at 9 different ports in potatoes in baggage and stores from Mexico.

An eriophyid mite, apparently undescribed genus and species, at Boston, Mass., on a beech cutting in air baggage from England.

"*Eulia*" sp. (Tortricidae) at New York, N.Y., in grape, nectarine, peach, and plum in cargo from Chile.

*Gnorimoschema* sp. (Gelechiidae), probably a new species and not any of the species heretofore associated with potato, at Mobile, Ala., in potato in stores from Honduras.

*Gymnandrosoma* sp. (Olethreutidae) at New Orleans, La., in genip in air baggage from Guatemala and in orange in quarters from Brazil; at Miami, Fla., in guava in air baggage from Cuba and in mangrove plant in air baggage from Grand Cayman; at Nogales, Ariz., in *Byrsonima crassifolia* in baggage from Mexico; and in guava in preflight inspection of baggage leaving San Juan, P.R., for the mainland.

*Lepidosaphes* sp. (Coccidae), not known to occur in the United States, at Washington, D.C., on *Angraecum compactum* in mail from England.

*Leptinotarsa* sp. (Chrysomelidae), new to the National Museum collection, at Brownsville, Tex., on banana in cargo from Mexico.

*Ligyrocoris* sp. (Lygaeidae), very unusual and not in the National Museum collection, at New Orleans, La., on banana in cargo from Ecuador.

*Lixus* sp. (Curculionidae) at Baltimore, Md., in beet in cargo from Algeria; at New Orleans, La., in beet in stores from England; and at Philadelphia, Pa., in beet in stores from Egypt and in celery in stores from Morocco.

*Myrmex* sp. (Curculionidae) at Honolulu, Hawaii, on *Epidendrum stenopetalum* stem in airmail from the Canal Zone.

*Palaeopus* sp. (Curculionidae) at New Orleans, La., in yam in air baggage from Jamaica; and at New York, N.Y., in yam in air baggage from Jamaica.

*Premnotrypes* sp. (Curculionidae) at Galveston, Tex., in potato in stores from Ecuador; at New Orleans, La., in potato in stores from Peru; and at New York, N.Y., in *Solanum* sp. tuber in baggage from Peru.

*Pseudococcus* sp. (Coccidae), not placed as a described species, was intercepted 32 times at 9 different ports on various plant material from the following countries: Azores, Brazil, Canal Zone, Costa Rica, Cuba, England, France, Guatemala, Indonesia, Jamaica, Marshall Islands, Mexico, Monaco, Panama, and Philippines.

*Spermophagus* sp. (Bruchidae) at Houston, Tex., with *Ipomoea pes-caprae* seed in air baggage from Liberia.

#### DISEASES

Incompletely determined pathogens worthy of mention were:

*Asterina* sp., apparently undescribed, at San Francisco, Calif., on *Banksia ericifolia* in aircargo from Australia.

*Cercospora* sp. at San Juan, P.R., on *Wedelia trilobata* leaf in air baggage from British Guiana.

*Colletotrichum* sp. at Brownsville, Tex., on *Reinhardtia* sp. leaf in cargo from Mexico.

*Cytospora* sp. at San Francisco, Calif., and Seattle, Wash., on tree peonies in cargo from Japan.

*Guignardia* sp. at New Orleans, La., on tropical almond leaf in air baggage from Cuba.

*Helminthosporium* sp. at Miami, Fla., on *Epidendrum stenopetalum* leaf in aircargo from Panama.

*Hendersonia* sp. at Nogales, Ariz., on *Calocarpum* sp. and sapote in baggage from Mexico.

*Leptosphaeria* sp., probably undescribed, at Miami, Fla., on bromeliad leaf in aircargo from the Canal Zone.

*Monochaetia* sp.(?) at Nogales, Ariz., on *Lucuma* sp. in baggage from Mexico.

*Phomopsis* sp., probably the "A" spores, at Washington, D.C., on bougainvillea plant in mail from Portugal; *Phomopsis* sp., apparently undescribed, at San Pedro, Calif., on *Persea* sp. in air baggage from Guatemala.

*Phyllostictina* sp. at New Orleans, La., on tropical almond leaf in air baggage from Cuba.

*Puccinia* sp., apparently undescribed, at Miami, Fla., on *Oncidium* sp. leaf in aircargo from Ecuador; *Puccinia* sp. at Miami, Fla., on *Oncidium* sp. leaf in air baggage from Mexico.

*Septoria* sp. at New Orleans, La., on anthurium flower petal in quarters from Trinidad(?); at Houston, Tex., on lily in air baggage from Mexico; and at Washington, D.C., on *Quaresmeira roza* in air express from Brazil.



## NEMATODES

*Aphelenchoides* sp. at Boston, Mass., with Chinese vegetables in cargo from Hong Kong; with unknown greens in air stores from Italy; with unknown plants, in soil with gladiolus corms, and in soil with unknown bulbs and roots in air baggage from the Azores; in unknown roots in air baggage from England; and in soil with parsnips and turnips in stores from the Canary Islands; at Brownsville, Tex., in *Hypochoeris* sp. in air baggage from Argentina; at El Paso, Tex., in soil with amaryllis bulbs, hydrangea, and various plants in baggage from Mexico; at Hoboken, N.J., in colchicum corms in cargo from the Netherlands; and in primrose seed in mail from England; at Laredo, Tex., in chrysanthemum roots in baggage from Mexico; at New Orleans, La., in garlic in transiting cargo from Mexico; at New York, N.Y., in *Dicentra* sp. and *Trollius* sp. roots in aircargo from the Netherlands; at Nogales, Ariz., in soil with bougainvillea and assorted unknown plants in baggage from Mexico; and at Norfolk, Va., in soil with palm plants in baggage from Trinidad.

*Aphelenchus* sp. at Baltimore, Md., in soil with leeks in stores from Denmark; at Boston, Mass., in soil with bulbs, roots, and unknown plants in air baggage from the Azores; at Brownsville, Tex., in lily roots in baggage from Mexico; at Calexico, Calif., in *Euphorbia* sp. roots in baggage from Mexico; at El Paso, Tex., in soil with amaryllis bulbs and *Gasteria* sp. in baggage from Mexico; at Hoboken, N.J., in dahlia roots in mail from Germany; at Laredo, Tex., in chrysanthemum roots in baggage from Mexico; at Miami, Fla., in soil on roots of banana in air baggage from Cuba; and in soil on roots of unknown plant in air baggage from Argentina; at Nogales, Ariz., in soil with coleus and unknown plants in baggage from Mexico; and at Norfolk, Va., in soil with caladium plant in baggage from Trinidad.

*Criconea* sp. at Laredo, Tex., in soil with an unknown plant in baggage from Mexico; and at Seattle, Wash., in soil with a dwarf sweet lime tree in baggage from Japan.

*Criconeoides* sp. at Laredo, Tex., in soil with mango seedling in baggage from Mexico; at Miami, Fla., in soil on cactus roots in air baggage from Chile; and at New Orleans, La., in soil with mint roots in air baggage from Honduras.

*Ditylenchus* sp. at Boston, Mass., in dasheens in stores from Cuba; at Brownsville, Tex., in soil with *Chamaedorea* sp. plants in baggage from Mexico; at Calexico, Calif., in garlic in baggage from Mexico; at Hoboken, N.J., in colchicum corms in cargo from the Netherlands; and in hop roots in airmail from Germany; and at New Orleans, La., in garlic in cargo from Mexico.

*Gotttholdsteineria* sp. at Boston, Mass., in garlic in stores from France; at Eagle Pass, Tex., in unknown plant in baggage from Mexico; and at Laredo, Tex., in soil with dahlia roots in mail from Germany.

*Helicotylenchus* sp. at Boston, Mass., in soil with callas, citrus, *Mesembryanthemum* sp., miscellaneous plants, and sedum in air baggage from the Azores; in soil with grape and oleander cuttings in air baggage from Italy; in soil with ivy plants in air baggage from Germany; in soil with petrea flat wood in air baggage from the Union of South Africa; and in soil with spruce tree in baggage from Canada; at Brownsville, Tex., with bougainvillea and royal poinciana plants in baggage from Mexico; in soil with *Chamaedorea* sp. plants in air baggage from Nicaragua; at Eagle Pass, Tex., with unknown plant in baggage from Mexico; at El Paso, Tex., with peperomia plant in baggage from Mexico; at Laredo, Tex., in lemon grass roots, in soil for analysis, and in soil with begonia, gardenia, and succulent plants, and roots of unknown plants in baggage from Mexico; in soil with dracaena plants in express from Cuba; and with unknown plants in baggage and cargo from Mexico; at Miami, Fla., in soil on banana roots and roots of miscellaneous plants in air baggage from Cuba; in soil near roots of coffee plants, in air baggage from Guatemala; in soil with fern roots in airmail from Bolivia; and in soil near roots of *Pilea* sp. in air baggage from Peru; at New Orleans, La., in soil with mint roots in air baggage from Honduras; at Nogales, Ariz., in soil with lily bulbs in baggage from Mexico; at Presidio, Tex., in soil with cactus and portulaca plants in baggage from Mexico; at San Juan, P.R., in soil with philodendron plants in air baggage from Puerto Rico; and at Washington, D.C., in soil with olive trees in mail from Italy.

*Hemicyclophora* sp. at Nogales, Ariz., in soil with lily bulbs in baggage from Mexico.

*Heterodera* sp., possibly *trifolii* (Goffart) Oostenbrink, at San Pedro, Calif., in soil with shamrock roots in aircargo from Ireland.

Other members of the genus *Heterodera* were intercepted 208 times at 26 ports from the following countries: Argentina, Austria, Azores, Belgium, Cape Verde Islands, Chile, Denmark, Egypt, England, France, Germany, Iceland, Ireland, Italy, Japan, Korea, Malta, Mexico, Morocco, Netherlands, New Zealand, Northern Ireland, Norway, Poland, Scotland, Spain, Sweden, Switzerland, and Turkey. These interceptions were made from soil samples, sand ballast, and soil with the following: New and used automobiles, army equipment, bark, cereal straw jackets, conch boxes, flower bulbs, roots, and tubers, gladiolus corms, lily-of-the-valley pips, old bagging, plants, on shoes, and vegetables.

*Hoplolaimus*, new species, at Laredo, Tex., in soil with philodendron plants in baggage from Mexico.

*Hoplolaimus* sp. at Boston, Mass., with unknown plants and in soil with arborvitae plants in air baggage from the Azores.

*Meloidogyne* sp. probably new species closely related to *brevicauda* Loos, at New York, N.Y., with yams in baggage from Nigeria.

*Meloidogyne* sp. at Boston, Mass., in dasheens in air baggage from the Azores and Portugal and in stores from Cuba; at Hoboken, N.J., in *Achimenes* sp. tubers in mail from India; in calla lily tubers in cargo from Italy; in astilbe roots in cargo from the Netherlands; in clematis roots in mail from England and in cargo from the Netherlands; in *Curcuma roscoeana* and *C. zedaria* tubers in mail from the Netherlands; in *Kaempferia* spp. tubers in cargo and mail from India and the Netherlands; in Japanese iris roots in cargo from Japan; in peony roots in cargo from the Netherlands and in mail from England; in *Reichsteineria macropoda* roots in cargo from the Netherlands; and in *Thomsonia nepalensis* tubers and in tuberose in mail from India; at Laredo, Tex., in begonia tubers, coriander roots, and ivy roots in baggage from Mexico; at Miami, Fla., in soil with *Aphelandra* sp. roots in aircargo from the Netherlands; in soil with cactus roots in air baggage from Chile; and in soil with *Pittosporum* sp. roots in aircargo from the Netherlands; at New Orleans, La., in potatoes in stores from Italy and Japan; at New York, N.Y., in *Achimenes* sp. tubers in aircargo from India; and in gladiolus corms in cargo from Japan; at Nogales, Ariz., in soil with unknown plants in baggage from Mexico; at San Diego, Calif., in yam in stores from Japan; and at San Pedro, Calif., in dahlia roots in cargo from Japan.

*Pratylenchus* sp. at Boston, Mass., in soil with dasheens in air baggage from Portugal; at Douglas, Ariz., in soil sample in air baggage from Mexico; at El Paso, Tex., in soil with mint plants in baggage from Mexico; at Hoboken, N.J., in clematis roots in cargo from the Netherlands and in mail from England; in fortune plantainlily roots in cargo from the Netherlands; in iris roots in mail from England and the Netherlands and in cargo from Japan; in *Ligularia clivorum* roots in mail from England; and in roots of *Physostegia* sp., western bleedingheart, and yucca in cargo from the Netherlands; at Laredo, Tex., in chrysanthemum roots in baggage from Mexico; at New York, N.Y., in Kamchatka bugbane roots in aircargo from the Netherlands; at Nogales, Ariz., in soil with lily bulbs in baggage from Mexico; and at San Francisco, Calif., in lily-of-the-valley pips in cargo from Denmark.

*Psilenchus* sp. at El Paso, Tex., in soil with plants in baggage from Mexico; and at Nogales, Ariz., in soil with caladium tubers in baggage from Mexico.

*Radopholus* sp., near *gracilis* (de Man) Hirschmann, at Boston, Mass., in waterchestnuts in cargo from Hong Kong.

*Radopholus* sp. at Boston, Mass., in unknown roots in stores from Egypt.

*Rotylenchulus* sp. at Norfolk, Va., in soil with palm plants in baggage from Trinidad.

*Rotylenchus* sp. at Boston, Mass., in soil with *Arctostaphylos* sp. plant in baggage from Ireland; in soil with narcissus bulbs in aircargo and in soil with petrea flat wood in air baggage from the Union of South Africa; and in soil with tulip bulbs in mail from Germany; at Hoboken, N.J., in *Cladrastis* sp. roots in cargo from the Netherlands; at Laredo, Tex., in sansevieria roots in cargo from Mexico; and at Miami, Fla., in soil near roots of *Pilea* sp. in air baggage from Peru.

*Scutellonema* sp., near *bradys*, at Boston, Mass., in soil with begonia(?) plant in quarters from Belgian Congo.

*Scutellonema* sp. at Laredo, Tex., in soil with gardenia plants in baggage from Mexico; and at Nogales, Ariz., in soil with amaryllis bulbs in baggage from Mexico.

*Tylenchorhynchus* sp. at Baltimore, Md., in soil with leeks in stores from Denmark and the Netherlands; at Boston, Mass., with unknown flowering plants in air baggage from Greece; at Brownsville, Tex., with *Chamaedorea* sp. plants, *Pilea* sp. plants, and royal poinciana in baggage from Mexico; at Nogales, Ariz., in soil with bromeliad plants in baggage from Mexico; at Washington, D.C., in soil with olive trees in mail from Italy; and at Ysleta, Tex., in soil with portulaca plants in baggage from Mexico.

*Tylenchus* sp. at Boston, Mass., in soil with fern asparagus and "Spider" plant in air baggage from Germany; in soil with heather in air baggage from Scotland; and in soil with oleander plant in air baggage from Italy; at Brownsville, Tex., with bougainvillea plant in baggage from Mexico; at Douglas, Ariz., in soil sample in air baggage from Mexico; at El Paso, Tex., in soil with poinsettia and unknown plants in baggage from Mexico; at Laredo, Tex., with begonia tuber in baggage from Mexico; at Miami, Fla., in soil on roots of anthurium in air baggage from Colombia; in soil with roots of *Aphelandra* sp. in aircargo from the Netherlands; in soil on cactus roots in air baggage from Chile; and in soil on unknown plant roots in air baggage from Argentina; at Nogales, Ariz., in soil with bean plants, bromeliad plants, lily bulbs, and an unknown plant in baggage from Mexico; at Norfolk, Va., in rice straw rug in cargo from Japan; and in soil with palm plants in baggage from Trinidad; at San Antonio, Tex., in soil with wandering-jew plant in air baggage from Mexico; and at Ysleta, Tex., in soil with portulaca plant in baggage from Mexico.

*Xiphinema* sp. at Laredo, Tex., with lily bulbs and in soil around roots of royal poinciana plant in baggage from Mexico; and at Nogales, Ariz., in soil with an unknown plant in baggage from Mexico.



## Summary of Numbers of Interceptions Listed in Main Table

Country	Insect	Disease	Country	Insect	Disease
	Number	Number		Number	Number
<b>Africa:</b>			<b>Australasia—Continued</b>		
Africa (country (?))	0	2	Tahiti	4	0
Algeria	3	0	West Pacific	3	0
Anglo-Egyptian Sudan	1	0	<b>Europe:</b>		
Angola	1	0	Austria	1	1
Belgian Congo	1	0	Azores	14	1
Canary Islands	2	0	Belgium	16	6
Cape Verde Islands	1	0	British Isles	0	1
Egypt	5	1	Czechoslovakia	0	1
Ethiopia	0	0	Denmark	4	3
French West Africa	6	5	England	57	63
Ghana	1	0	England(?)	0	1
Kenya	3	0	Europe (country(?))	0	2
Liberia	1	0	Finland	1	0
Libya	2	0	France	50	7
Madeira Islands	1	0	France(?)	1	0
Mediterranean Region	1	0	Germany	34	27
Morocco	32	0	Greece	22	4
Nigeria	3	0	Ireland	9	7
Rhodesia	1	0	Italy	284	43
Sierra Leone	1	0	Malta	0	1
Tanganyika	1	0	Monaco	1	0
Tunisia	4	0	Netherlands	55	50
Union of South Africa	25	45	Northern Ireland	1	0
West Africa	0	1	Norway	1	2
<b>Asia:</b>			Poland	4	0
Afghanistan	0	1	Portugal	37	7
Ceylon	2	0	Portugal(?)	1	0
China	7	30	Scotland	14	8
Formosa	26	3	Spain	35	8
Federation of Malaya	4	3	Sweden	8	2
Hong Kong	10	49	Sweden(?)	1	0
India	20	11	Switzerland	5	37
India(?)	1	0	Yugoslavia	3	0
Indonesia	7	0	<b>North America:</b>		
Iran	5	0	Bermuda	15	4
Israel	10	3	Canada	8	10
Japan	558	275	Canal Zone	68	8
Japan(?)	3	0	<b>Central America:</b>		
Korea	2	0	British Honduras	13	3
Lebanon	7	0	Central America (country		
Nepal	1	0	(?))	3	1
New Caledonia	1	0	Costa Rica	29	16
Pakistan	0	2	El Salvador	41	3
Singapore	5	5	Guatemala	48	8
Thailand	6	1	Honduras	16	3
Turkey	1	1	Nicaragua	19	1
Vietnam	2	0	Panama	61	5
<b>Australasia:</b>			Panama(?)	1	0
American Samoa	1	4	Mexico	578	382
Australia	35	37	<b>West Indies:</b>		
Australia(?)	1	0	American Virgin Islands	2	0
Christmas Island	0	1	Antigua	4	0
Eniwetok(?)	1	0	Aruba	1	0
Fiji Islands	4	1	Bahamas	24	2
Guam	17	2	Barbados	10	0
Hawaii	583	8	British West Indies	2	0
Kwajalein	2	0	Cuba	73	16
Marshall Islands	1	0	Dominican Republic	23	3
Midway Islands	1	0	Eleuthera Island	1	0
New Guinea	2	4	Grand Cayman	1	0
New Zealand	2	5	Grenada	1	0
Norfolk Island	0	7	Haiti	11	0
Palmyra Island	2	0	Jamaica	52	5
Philippines	34	2	Martinique	1	0
Ponape	2	0	Puerto Rico	30	7
South Pacific	2	0	St. Kitts	2	0
Sumatra	1	0	St. Lucia	1	0



*Summary of Numbers of Interceptions Listed in Main Table—Continued*

Country	Insect	Disease	Country	Insect	Disease
	<i>Number</i>	<i>Number</i>		<i>Number</i>	<i>Number</i>
North America—Continued			Total:		
West Indies—Continued			Africa.....	96	58
Tortola.....	6	0	Asia.....	678	383
Trinidad.....	25	8	Australasia.....	698	71
South America:			Europe.....	659	282
Argentina.....	9	16	North America.....	1,170	485
Bolivia.....	1	0	South America.....	255	94
Brazil.....	45	62	Unknown.....	25	25
British Guiana.....	6	1			
Chile.....	69	0	Total.....	3,581	1,398
Colombia.....	17	3	Total incompletely deter-		
Ecuador.....	78	2	mined pests.....	2,279	688
Paraguay.....	1	0			
Peru.....	7	5	Total insect interceptions...	5,860	-----
Surinam.....	0	1	Total disease interceptions...	-----	2,086
Uruguay.....	0	1	Grand total.....	-----	<sup>1</sup> 7,946
Venezuela.....	22	3			

<sup>1</sup> This total represents only pests of known or potential plant quarantine importance or certain organisms of scientific importance. The total of all interceptions made during the year was 18,198.

NOTE.—Interceptions were also made from Borneo, Burma, Dominica, Gibraltar, Greenland, Guadeloupe, Iceland, Iraq, Marquesas Islands, Nevis, St. Martin, St. Michael, Somaliland, Swaziland, Syria, Union of Soviet Socialist Republics, Virgin Islands, and Wales.

## Pests Collected and Reported From July 1, 1957, Through June 30, 1958

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Acalymma trivittata</i> (Mann.) (Chrysomelidae):					
<i>Brassica rapa</i> (turnip).....	Mexico.....	1			Tex.
<i>Acalypta brunnea</i> (Germ.) (Tingidae):					
<i>Saintpaulia ionantha</i> (African violet).....	Germany.....			1	Ill.
<i>Acanthoscelides armitagei</i> (Pic) (Bruchidae):					
<i>Cajanus cajan</i> (pigeonpea).....	Aruba, Panama.....	2			N.Y.
<i>Acanthoscelides griscolus</i> (Fall.) (?) (Bruchidae):					
<i>Sesbania</i> sp.....	Mexico.....	1			Calif.
<i>Acanthoscelides spinipes</i> (Er.) (Bruchidae):					
<i>Lupinus</i> sp. (lupine).....	Italy.....	1			N.Y.
<i>Vicia faba</i> (broadbean).....	do.....	1			N.Y.
<i>Aceria macrochelus</i> (Nal.) (Eriophyidae):					
<i>Acer</i> sp. (maple).....	France.....		1		Mass.
<i>Aceria tulipae</i> (Keif.) (Eriophyidae):					
<i>Allium sativum</i> (garlic).....	Poland.....	1			Mass.
<i>Achatina fulica</i> Fer. (Mollusca):					
Military cargo.....	Guam.....	2			Calif.*
<i>Acletra fraterno</i> (Stal) (Pentatomidae):					
<i>Vitis</i> sp. (grape).....	Chile.....	1			N.Y.
<i>Aclerda yunnanensis</i> Ferris (Coccidae):					
Grass.....	Philippines.....	1			Calif.*
<i>Acrolepis assectella</i> (Zell.) (Hyponomeutidae):					
<i>Allium porrum</i> (leek).....	Belgium, France, Italy, Netherlands.....		5		Pa.
<i>Brassica rapa</i> (turnip).....	Unknown.....		1		La.
<i>Acrosternum heegeri</i> (Fieber) (Pentatomidae):					
<i>Citrus sinensis</i> (orange).....	Israel.....	1			N.Y.
<i>Adleria kollari</i> (Htg.) (Cynipidae):					
<i>Quercus cerris</i> (European Turkey oak).....	Italy.....	1			N.Y.
<i>Adoretus sinicus</i> (Burm.) (Scarabaeidae):					
Airplane.....	Hawaii, Japan, unknown.....		4		Hawaii.
Baggage.....	Hawaii.....	1			Hawaii.
Beans.....	do.....	1			Hawaii.
Flowers.....	do.....	1			Hawaii.
<i>Operculina tuberosa</i> .....	do.....	1			Hawaii.
Mail parcel.....	do.....	1			Hawaii.
<i>Adoxophyes orana</i> (F.R.) (Tortricidae):					
<i>Syringa</i> sp. (lilac).....	Netherlands.....	2			N.Y.
<i>Aganacsis indecora</i> Dyar (Galleriidae):					
<i>Cassia fistula</i> (golden-shower).....	Trinidad, Venezuela.....	1	2		Fla., N.Y., P.R.
<i>Cassia</i> sp.....	Cuba, Trinidad.....	1	1		N.Y.
<i>Agonoxena argaula</i> Meyr. (Agonoxenidae):					
<i>Cocos nucifera</i> (coconut).....	Palmyra Islands.....			1	Hawaii.
<i>Agrotis exusta</i> (Btlr.) (Noctuidae):					
Airplane.....	Japan.....		1		Hawaii.
<i>Aleurocanthus woglumi</i> Ashby (Aleyrodidae):					
<i>Citrus aurantifolia</i> (lime).....	Mexico.....		1		Calif.*
<i>Citrus aurantium</i> (sour orange).....	Nicaragua.....	1			Tex.
<i>Citrus sinensis</i> (orange).....	Mexico.....	5			Ariz., Tex.
<i>Citrus</i> sp.....	Mexico, Nicaragua.....	9			Ariz., Tex.
<i>Aleuroglandulus emmae</i> Rsl. (Aleyrodidae):					
Orchid.....	Mexico.....		1		Tex.
<i>Aleurolobus olivinus</i> Silvestri (Aleyrodidae):					
<i>Olea europaea</i> (olive).....	Italy.....	1			N.Y.
<i>Aleuroparadozus gardeniae</i> Rsl. (Aleyrodidae):					
<i>Gardenia augusta</i> (gardenia).....	Mexico.....	1			Tex.
<i>Aleuroplatus plumosus</i> (Q.) (Aleyrodidae):					
<i>Laurus nobilis</i> (Grecian laurel).....	England.....		1		Mass.
<i>Aleuroplatus variegatus</i> Q. & B. (Aleyrodidae):					
<i>Collinia elegans</i> .....	Mexico.....	1			Tex.
<i>Aleurothrixus floccosus</i> (Mask.) (Aleyrodidae):					
<i>Citrus sinensis</i> (orange).....	Brazil, Mexico.....	1	2		Calif.,* Pa., Tex.
<i>Citrus</i> sp.....	Dominican Republic, Mexico, Nicaragua.....	4			P.R., Tex.
<i>Aleurothrixus myrtacei</i> Bondar (Aleyrodidae):					
<i>Citrus sinensis</i> (orange).....	Brazil.....		1		Pa.
<i>Aleurotrachelus camelliae</i> (Kuw.) (Aleyrodidae):					
<i>Camellia japonica</i> (camellia).....	Japan.....			1	D.C.
<i>Camellia sasanqua</i> (sasanqua camellia).....	do.....			4	D.C.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued  
[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Aleurotuberculatus aucubae</i> (Kuw.) (Aleyrodidae):					
<i>Ilex crenata</i> (Japanese holly)	Japan			1	D.C.
<i>Aleurotuberculatus magnoliae</i> Takah. (Aleyrodidae):					
<i>Corylopsis spicata</i>	do.			1	D.C.
<i>Aleurotuberculatus similis</i> Takah. (Aleyrodidae):					
<i>Ilex crenata</i> (Japanese holly)	do.			4	D.C.
<i>Ilex integra leucoclada</i>	do.			1	D.C.
<i>Ilex rugosa</i>	do.			2	D.C.
<i>Ilex sugeroki</i>	do.			2	D.C.
<i>Vaccinium azillare</i>	do.			1	D.C.
<i>Aleyrodes lonicerae</i> Wlk. (Aleyrodidae):					
<i>Fragaria</i> sp. (strawberry)	Germany			1	N.J.
Soil with unknown plant	Austria			1	N.Y.
<i>Amblycephalus spectrus</i> (Dist.) (Cicadellidae):					
Airplane	Japan(?)		1		Hawaii
<i>Amitermes wheeleri</i> (Desne) (Termitidae):					
Cactus	Mexico			1	Tex.
<i>Amphelasma decoratum</i> (Jac.) (Chrysomelidae):					
Orchid	do.			1	Ariz.
<i>Amyssonotum rastratum flexum</i> McA. & Mall. (Pentatomidae):					
<i>Pleurothallis</i> sp. (orchid)	do.			1	Tex.
<i>Anacraga sofia</i> Dyar (Dalceraeidae):					
Orchid	do.			1	Tex.
<i>Anaphothrips orchidaceus</i> Bagn. (Thripidae):					
<i>Laelia anceps</i> (orchid)	do.			1	Tex.
<i>Anastrepha ludens</i> (Loew) (Tephritidae):					
<i>Calocarpum sapota</i> (mamey sapote)	do.	1			Tex.
<i>Citrus aurantifolia</i> (sweet lime)	do.	10			Ariz., Tex.
<i>Citrus aurantium</i> (sour orange)	do.	1			Tex.
<i>Citrus paradisi</i> (grapefruit)	do.	10	1		La., Tex.
<i>Citrus sinensis</i> (orange)	Guatemala, Mexico	62	11		Ala., Ariz., Fla., La., N.Y., Pa., Tex.
<i>Cydonia oblonga</i> (quince)	Mexico	7			Tex.
<i>Mangifera indica</i> (mango)	do.	70	1		Ala., Ariz., Calif., Tex.
<i>Persea americana</i> (avocado)	do.	1			Tex.
<i>Prunus persica</i> (peach)	do.	1			Tex.
<i>Punica granatum</i> (pomegranate)	do.	1			Tex.
<i>Anastrepha mombinpraeoptans</i> Sein (Tephritidae):					
<i>Eugenia malaccensis</i> (Malay-apple)	Guatemala	1			Tex.
<i>Mangifera indica</i> (mango)	Central America, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico.	101	8		Ala., Ariz., Calif., Calif., Fla., Ill., La., Md., N.Y., P.R., S.C., Tex.
<i>Psidium guajava</i> (guava)	Mexico	1			Fla.
<i>Spondias mombin</i> (yellow mombin)	Honduras(?), Nicaragua	3			Calif.*
<i>Spondias purpurea</i> (purple mombin)	Central America, El Salvador, Guatemala, Honduras, Nicaragua.	12	1		La., Tex.
Unknown	Mexico			1	Tex.
<i>Anastrepha mombinpraeoptans</i> Sein(?) (Tephritidae):					
<i>Spondias mombin</i> (yellow mombin)	Trinidad	1			Fla.
<i>Anastrepha serpentina</i> (Wied.) (Tephritidae):					
<i>Calocarpum sapota</i> (mamey sapote)	Mexico	2			Calif.
<i>Lucuma psammophila</i>	Brazil			2	D.C.
<i>Anastrepha striata</i> Schin. (?) (Tephritidae):					
<i>Psidium guajava</i> (guava)	Mexico	1			Ariz.



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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Ancylostoma stercora</i> (Zell.) (Phycitidae):					
Bean	Panama	1			Fla.
<i>Cajanus cajan</i> (pigeonpea)	Bahamas, Dominican Republic, Panama, Puerto Rico, St. Kitts, Tortola.	25			Fla., N.Y., St. Thomas and St. John.
<i>Pisum sativum</i> (pea)	Bahamas, Panama	6			Fla.
<i>Andrector atrofasciata</i> (Jac.) (Chrysomelidae):					
<i>Tillandsia</i> sp.	Mexico			1	Tex.
<i>Andrector ruficornis</i> (Oliv.) (Chrysomelidae):					
Bean	Cuba	1			Fla.
<i>Anoeia corni</i> (F.) (Aphidae):					
<i>Cornus</i> sp.	England			1	D.C.
<i>Anomala orientalis</i> Waterh. (Scarabaeidae):					
Baggage	Hawaii	1			Hawaii.
<i>Anthonomus rectirostris</i> (L.) (Curculionidae):					
<i>Prunus serotina</i> (black cherry)	Belgium			1	N.J.
<i>Antonina graminis</i> (Mask.) (Coccidae):					
<i>Cynodon</i> sp.	Tanganyika			1	D.C.
<i>Panicum purpurascens</i> (para grass)	Philippines			1	D.C.
<i>Aonidiella citrina</i> Coq. (Coccidae):					
Orchid	Jamaica			1	Fla.
<i>Aonidiella comperei</i> Mask. (Coccidae):					
<i>Jasminum</i> sp. (jasmine)	do			1	Fla.
<i>Aonidiella inornata</i> McKenzie (Coccidae):					
<i>Citrus grandis</i> (pummelo)	Philippines	1			Hawaii.
<i>Citrus limon</i> (lemon)	India			1	D.C.
<i>Citrus reticulata</i> (Mandarin orange)	Guam	2			Calif.,* Hawaii.
<i>Cocos nucifera</i> (coconut)	do	4	1		Hawaii.
<i>Cycas</i> sp.	Philippines			1	Calif.*
<i>Aonidiella lauretorm</i> (Ldgr.) (Coccidae):					
<i>Ilex latifolia</i>	Portugal			1	D.C.
<i>Apion carduorum</i> Kirby (Curculionidae):					
<i>Cynara scolymus</i> (globe artichoke)	Italy	1			Mass.
<i>Apion griseum</i> Sm. (Curculionidae):					
<i>Phaseolus vulgaris</i> var. (string bean)	Mexico	2			Tex.
<i>Aracerus levipennis</i> Jord. (Anthribidae):					
<i>Leucaena glauca</i>	Hawaii	29			Hawaii
<i>Arge pullata</i> (Zadd.) (Argidae):					
<i>Betula</i> sp. (birch)	Finland			1	N.Y.
<i>Argyresthia conjugella</i> (Zell.) (Hyponomeutidae):					
<i>Malus sylvestris</i> (apple)	England, Germany, Ireland, Italy, Sweden, unknown.	5	3		N.Y., Tex.
<i>Arion circumscriptus</i> Johnston (Mollusca):					
Soil with fir trees	Canada			1	N.J.
Soil with gladiolus bulbs	Germany			1	N.J.
Soil with unknown plant	Italy			1	N.Y.
<i>Aspidiotus aesculi</i> Johns. (Coccidae) (tentative):					
Unknown twig	Mexico	1			Ariz.
<i>Aspidiotus abietis</i> (Schrank) (Coccidae):					
<i>Tsuga</i> sp. (hemlock)	Sweden(?)	1			Mass.
<i>Aspidiotus aharonii</i> Bod. (Coccidae):					
<i>Ceratonia siliqua</i> (carob)	Israel			1	D.C.
<i>Aspidiotus australiensis</i> Kuw. (Coccidae):					
<i>Dendrobium undulatum</i> (orchid)	Australia			1	Hawaii.
<i>Aspidiotus cryptomeriae</i> Kuw. (Coccidae):					
<i>Cryptomeria japonica</i>	Japan			1	D.C.
<i>Aspidiotus degeneratus</i> (Leon) (Coccidae):					
<i>Camellia japonica</i> (camellia)	do			2	D.C., Hawaii.
<i>Camellia</i> sp.	Japan, Portugal			3	D.C., Hawaii.
<i>Aspidiotus destructor</i> Sign. (Coccidae):					
<i>Rambusa</i> sp.	Japan			1	Calif.*
<i>Camellia sinensis</i> (tea)	do			1	D.C.
<i>Cocos nucifera</i> (coconut)	Canal Zone, Costa Rica, Jamaica, Mexico, Panama.	6			Ariz., Calif.,* Fla.
<i>Cyrtopodium</i> sp. (orchid)	British Guiana			1	N.J.
Leaf—unknown	Barbados	1			Mass.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Aspidiotus destructor</i> Sign. (Coccidae)—Con.					
<i>Licuala grandis</i> (palm)	Cuba			1	Fla.
<i>Mangifera indica</i> (mango)	Singapore			1	Fla.
<i>Nipa</i> sp. (palm)	Tahiti			1	Hawaii.
Orchid	Canal Zone, Jamaica, Japan.		1	2	Calif.,* Fla.
Palm	Philippines			1	Calif.*
<i>Prunus amygdalus</i> (almond)	Mexico	1			Tex.
<i>Rhapis</i> sp.	Japan			1	Calif.*
<i>Terminalia catappa</i> (bitter almond)	Mexico	1			Tex.
<i>Trachelospermum asiaticum</i>	Japan			1	D.C.
<i>Aspidiotus excisus</i> Green (Coccidae):					
<i>Osmanthus fragrans</i>	do			1	D.C.
<i>Pachysandra terminalis</i> (Japanese pachysandra)	do			2	D.C.
<i>Aspidiotus herculeanus</i> Ckll. & Hadden (Coccidae):					
<i>Erythrina fusca</i>	Fiji Islands			1	D.C.
<i>Aspidiotus mairiei</i> (Bal.) (Coccidae):					
<i>Cytisus hirsutus</i>	France			1	D.C.
<i>Aspidiotus mendar</i> McKenzie (Coccidae):					
<i>Odontoglossum grande</i> (orchid)	Gautemala			1	Calif.*
<i>Aspidiotus palmar</i> Ckll. (Coccidae):					
<i>Cinnamomum cassia</i>	Indonesia			1	D.C.
<i>Cocos nucifera</i> (coconut)	Mexico	1			Calif.*
<i>Dendrobium victoriae reginae</i> (orchid)	Philippines			1	Hawaii.
<i>Jasminum multiflorum</i>	Australia	1			Hawaii.
<i>Myristica fragrans</i> (nutmeg)	St. Lucia			1	Fla.
Orchid	Costa Rica, Guatemala			2	Fla.
<i>Aspidiotus popularum</i> Marl. (Coccidae) (tentative):					
<i>Phoradendron flavescens</i> (mistletoe)	Mexico	1			Tex.
<i>Aspidiotus pseudomeyeri</i> Kuw. (Coccidae):					
<i>Thuja</i> sp. (arborvitae)	Japan		1		Hawaii.
<i>Asterobemisia carpini</i> (Koch) (Aleyrodidae):					
<i>Rubus</i> sp.	France		9		Mass., N.Y.
<i>Asterolecanium bambusae</i> (Bdv.) (Coccidae):					
Bamboo	Venezuela			1	N.Y.
<i>Asterolecanium epidendri</i> (Bouche) (Coccidae):					
<i>Broughtonia</i> sp. (orchid)	Jamaica			2	Fla.
<i>Cattleya</i> sp. (orchid)	Brazil, Venezuela			3	Fla., N.J.
<i>Epidendrum</i> sp. (orchid)	Cuba			1	Fla.
<i>Oncidium pulchellum</i> (orchid)	Jamaica			1	Hawaii.
<i>Oncidium</i> sp.	Brazil			1	Fla.
Orchid	Bahamas, Brazil, British Honduras, Canal Zone, Costa Rica, Cuba, Guatemala, Jamaica, Mexico, Panama.		1	21	Ariz., Fla., Mass.
<i>Asterolecanium mliaris</i> (Bdv.) (Coccidae):					
Bamboo	Cuba	1			Fla.
<i>Asterolecanium mliaris mliaris</i> (Bdv.) (Coccidae):					
Bamboo	Trinidad, Venezuela	1		1	Fla., N.Y.
<i>Asterolecanium mliaris robustum</i> Green (Coccidae):					
Bamboo	Antigua	1			Mass.
<i>Asterolecanium petrophilae</i> (Fuller) (Coccidae):					
<i>Grevillea ptilulifera</i>	Australia	1			Fla.
<i>Athesapeuta cyperi</i> Mshl. (Curculionidae):					
<i>Vanda</i> sp. (orchid)	Hawaii	4			Hawaii.
<i>Aulacaspis latissimus</i> (Ckll.) (Coccidae):					
<i>Distylium racemosum</i>	Japan			1	D.C.
<i>Aulacaspis madiunensis</i> (Zehnt.) (Coccidae):					
<i>Saccharum officinarum</i> (sugarcane)	New Guinea			1	D.C.
<i>Aulacaspis mangiferae</i> Newst. (Coccidae):					
<i>Mangifera indica</i> (mango)	El Salvador, Philippines	4			Calif.*
<i>Aulacaspis tubercularis</i> Newst. (Coccidae):					
<i>Mangifera indica</i> (mango)	El Salvador, Mexico	4			Calif., Tex.
<i>Azeta versicolor</i> (F.) (Noctuidae):					
Airplane	Panama		1		Fla.
<i>Barathra brassicae</i> (L.) (Noctuidae):					
<i>Brassica chinensis</i> (Chinese cabbage)	Japan		1		La.
<i>Brassica pekinensis</i> (peisa)	do		1		Wash.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Batrachedra linaria</i> Clarke (Cosmopterygidae):					
<i>Agave</i> sp. ....	Mexico.....	-----	-----	1	Calif.
<i>Bemisia citricola</i> Gomez-Menor(?) (Aleyrodidae):					
<i>Citrus reticulata</i> (Mandarin orange).....	Italy.....	1	-----	-----	Mass.
<i>Bemisia tabaci</i> (Genn.) (Aleyrodidae):					
<i>Hibiscus</i> sp. ....	Haiti.....	-----	-----	1	Fla.*
<i>Blastophagus piniperda</i> (L.) (Scolytidae):					
<i>Abies</i> sp. (fir).....	Sweden.....	1	-----	-----	Mass.
<i>Blissus pulchellus</i> Mont. (Lygaeidae):					
<i>Chrysanthemum</i> sp. ....	Mexico.....	1	-----	-----	Ariz.
<i>Bostrychophiles cornutus</i> (Oliv.) (Bostrichidae):					
Palm.....	Kenya.....	1	-----	-----	Va.
<i>Bouhelia maroccana</i> Bal. (Coccidae):					
<i>Muscari comosum</i> (cipollino).....	Morocco.....	1	-----	-----	N.Y.
<i>Brachycerus albidentatus</i> Gyll. (Curculionidae):					
<i>Allium sativum</i> (garlic).....	Italy.....	-----	1	-----	N.Y.
<i>Brachycerus algeris</i> F. (Curculionidae):					
<i>Allium sativum</i> (garlic).....	Italy, Spain.....	14	1	-----	N.Y., P.R., Tex.
<i>Brachyrhinus oratus</i> (L.) (Curculionidae):					
Soil with fir trees.....	Canada.....	-----	-----	1	N.J.
<i>Brachyrhinus porcatus</i> (Hbst.) (Curculionidae):					
Rosaceous shrubs.....	Germany.....	-----	-----	1	N.Y.
<i>Bradybaena similaris</i> (Fer.) (Mollusca):					
<i>Alpinia purpurata</i> .....	Hawaii.....	1	-----	-----	Hawaii.
<i>Anthurium</i> sp. ....	do.....	3	-----	-----	Hawaii.
<i>Cordyline terminalis</i> (tl).....	do.....	3	-----	-----	Hawaii.
<i>Esenbeckia leiocarpa</i> .....	Brazil.....	-----	-----	1	D.C.
Flowers.....	Hawaii.....	1	-----	-----	Hawaii.
Orchid.....	do.....	1	-----	-----	Hawaii.
<i>Peperomia</i> sp. ....	Brazil.....	-----	1	-----	Mass.
<i>Selaginella</i> sp. ....	do.....	-----	-----	1	D.C.
Soil with amaryllis bulb.....	Bermuda.....	-----	-----	1	Mass.
<i>Vanda joaquimiae</i> (orchid).....	Hawaii.....	2	-----	-----	Hawaii.
<i>Vanda</i> sp. ....	do.....	5	-----	-----	Hawaii.
With anthurium and vanda flowers.....	do.....	1	-----	-----	Hawaii.
<i>Brevipalpus obovatus</i> Donn. (Tenuipalpidae):					
<i>Hedera</i> sp. (ivy).....	Germany.....	-----	-----	1	Mass.
<i>Ischrobia coccinea</i> .....	Portugal.....	-----	-----	1	D.C.
<i>Michelia fuscata</i> .....	Brazil.....	-----	-----	1	D.C.
<i>Pittosporum undulatum</i> .....	do.....	-----	-----	1	D.C.
<i>Brevipalpus obovatus</i> Baker (Tenuipalpidae):					
Orchid.....	England.....	-----	-----	1	D.C.
<i>Brevipalpus phoenicis</i> (Geijskes) (Tenuipalpidae):					
<i>Alocasia cucullata</i> .....	France.....	-----	-----	1	D.C.
<i>Citrus sinensis</i> (orange).....	Canary Islands.....	-----	1	-----	Fla.
Orchid.....	Panama.....	-----	-----	1	Fla.
<i>Stanhopea</i> sp. (orchid).....	Canal Zone.....	-----	-----	1	Fla.
<i>Bruchus ervi</i> Froel. (Bruchidae):					
<i>Lens culinaris</i> (lentil).....	Italy, Lebanon.....	5	-----	1	N.Y., Oreg.
<i>Bruchus guttalis</i> Rey(?) (Bruchidae):					
<i>Vicia sativa</i> (vetch).....	Portugal.....	1	-----	-----	N.Y.
<i>Bruchus luteicornis</i> Ill. (Bruchidae):					
<i>Vicia sativa</i> (vetch).....	Cape Verde Islands, Sumatra.....	1	-----	1	D.C., Mass.
<i>Bruchus signaticornis</i> Gyll. (Bruchidae):					
<i>Lens culinaris</i> (lentil).....	Italy.....	5	-----	-----	N.Y.
<i>Bruchus tristis</i> Boh. (Bruchidae):					
Bean.....	do.....	1	-----	-----	N.Y.
<i>Cicer arietinum</i> (chickpea).....	Greece.....	-----	-----	1	N.Y.
<i>Lathyrus sativus</i> (grass pea).....	Italy.....	-----	-----	1	N.Y.
Legume.....	Unknown.....	1	-----	-----	N.Y.
<i>Lupinus</i> sp. (lupine).....	Italy.....	2	-----	-----	N.Y.
<i>Vicia faba</i> (broadbean).....	do.....	2	-----	-----	N.Y.
<i>Bryobia cristata</i> (Duges) (Tetranychidae):					
<i>Chrysanthemum</i> sp. ....	Japan.....	-----	-----	1	Wash.
Flowers.....	do.....	-----	-----	1	Wash.
<i>Bucculatrix thurberella</i> Busck (Lyonetidae):					
<i>Gossypium</i> sp. (cotton; boll).....	Mexico.....	1	-----	-----	Ariz.
<i>Callidium rufipenne</i> Mots. (Cerambycidae):					
Packing case with artificial flowers.....	Japan.....	1	-----	-----	N.Y.



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[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Calligrapha labyrinthica</i> Stal (Chrysomelidae): Bromeliad.....	Mexico.....	---	---	1	Tex.
<i>Callosobruchus phaseoli</i> (Gyll.) (Bruchidae): <i>Crotalaria spectabilis</i> .....	Union of South Africa.....	---	---	1	D.C.
<i>Phaseolus</i> sp.....	Japan.....	---	1	---	Calif.*
<i>Vicia faba</i> (broadbean).....	Egypt.....	1	---	---	N.Y.
With foodstuff, grain, nuts, and assorted seeds.....	India.....	1	---	---	N.Y.
<i>Carposina niponensis</i> Wal. (Carposinidae): <i>Malus sylvestris</i> (apple).....	Japan.....	---	4	---	Va., Wash.
<i>Caryedon fuscus</i> (Goeze) (Bruchidae): <i>Arachis hypogaea</i> (peanut).....	Portugal.....	1	---	---	N.Y.
<i>Cassia javanica</i> (appleblossom senna).....	Hawaii.....	1	---	---	Hawaii.
<i>Cassia</i> sp.....	do.....	1	---	---	Hawaii.
<i>Pisum sativum</i> (pea).....	India.....	---	1	---	Ala.
<i>Tamarindus indica</i> (tamarind).....	Hawaii.....	2	---	---	Hawaii.
<i>Vanda</i> sp. (orchid).....	do.....	1	---	---	Hawaii.
<i>Caryedon fuscus</i> (Goeze) (?) (Bruchidae): <i>Peltophorum africanum</i> .....	Rhodesia.....	---	---	1	N.J.
<i>Cenaeus pectoralis</i> (Stal) (Pyrrhocoridae): <i>Protea</i> sp.....	Union of South Africa.....	1	---	---	N.Y.
<i>Cenopalpus pulcher</i> (C. & F.) (Tenuipalpidae): <i>Buzus</i> sp. (box).....	Portugal.....	---	1	---	Mass.
<i>Cepaea nemoralis</i> (L.) (Mollusca): Dunnage with automobiles.....	Germany.....	1	---	---	Calif.*
<i>Petroselinum crispum</i> (parsley).....	do.....	---	1	---	Pa.
<i>Ceratitis capitata</i> (Wied.) (Tephritidae): Cactus.....	Italy.....	1	---	---	Mass.
<i>Citrus limon</i> (lemon).....	do.....	1	---	---	N.Y.
<i>Citrus reticulata</i> (Mandarin orange).....	Israel, Italy, Libya, Tunisia.....	10	1	---	N.J., N.Y., S.C.
<i>Citrus sinensis</i> (orange).....	Argentina, Azores, Egypt, Israel, Italy, Lebanon, Spain.....	3	16	---	Fla., Md., Mass., N.J., Pa., S.C., Tex., Va.
<i>Coffea arabica</i> (Arabian coffee).....	Hawaii.....	24	---	---	Calif.,* Hawaii.
<i>Cydonia oblonga</i> (quince).....	Greece, Italy.....	7	---	---	N.Y.
<i>Ficus carica</i> (fig).....	Italy.....	2	---	---	Ill., N.Y.
<i>Mangifera indica</i> (mango).....	Egypt.....	1	---	---	N.J.
<i>Olea europaea</i> (olive).....	Italy.....	1	---	---	Mass.
<i>Opuntia humifusa</i> (pricklypear).....	do.....	8	---	---	N.Y.
<i>Prunus domestica</i> (plum).....	do.....	1	---	---	Mass.
<i>Prunus persica</i> (peach).....	Italy, Tunisia.....	2	1	---	Mass., N.Y.
<i>Psidium guajava</i> (guava).....	Azores, Portugal.....	3	---	---	Mass.
<i>Punica granatum</i> (pomegranate).....	Italy.....	2	---	---	N.Y.
<i>Pyrus communis</i> (pear).....	France(?), Greece, Italy, Spain.....	4	4	---	Mass., N.Y. Pa.
<i>Ceratitis capitata</i> (Wied.) (?) (Tephritidae): <i>Capsicum frutescens grossum</i> (bell pepper).....	Belgian Congo.....	---	1	---	Md.
<i>Citrus aurantifolia</i> (sweet lime).....	Azores.....	---	1	---	Mass.
<i>Citrus sinensis</i> (orange).....	Brazil, Spain, Union of South Africa.....	1	2	---	Fla., Mass.
<i>Ficus carica</i> (fig).....	Italy.....	1	---	---	Mass.
<i>Cerconota anonella</i> (Sepp) (Stenomidae): <i>Annona</i> sp.....	Brazil.....	1	---	---	N.Y.
<i>Ceresium unicolor</i> (F.) (Cerambycidae): Airplane.....	Guam.....	---	1	---	Hawaii.
<i>Ceronema japonica</i> Mask. (?) (Coccidae): <i>Ilex crenata</i> (Japanese holly).....	Japan.....	---	---	1	D.C.
<i>Cero-plastes japonicus</i> Green (Coccidae): <i>Chaenoma</i> sp.....	do.....	---	---	1	Hawaii.
<i>Cotoneaster</i> sp.....	do.....	---	---	2	Hawaii.
<i>Prunus</i> sp. (?).....	do.....	---	---	1	Hawaii.*
<i>Cero-plastes rubens</i> Mask. (Coccidae): <i>Alpinia purpurata</i> .....	Hawaii.....	1	---	---	Hawaii.
<i>Albizia olivaeformis</i> (maile).....	do.....	13	---	---	Hawaii.
<i>Anthurium</i> sp.....	do.....	3	---	---	Hawaii.
<i>Camellia rusticana</i> .....	Japan.....	---	---	1	D.C.
<i>Camellia</i> sp.....	Formosa, Japan.....	---	---	2	Calif.,* D.C.
<i>Cotoneaster</i> sp.....	Japan.....	---	---	1	Hawaii.
<i>Gardenia augusta</i> (gardenia).....	Hawaii, Japan.....	2	---	---	Hawaii.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagations	
<i>Ceroptastes rubens</i> Mask. (Coccidae)—Con.					
<i>Gardenia</i> sp.	Japan			1	Hawaii.
<i>Hedera helix</i> (English ivy)	do	1			Hawaii.
<i>Ilex serrata</i>	do			1	Calif.*
<i>Metrosideros collina</i>	Hawaii			1	Hawaii.
<i>Rhododendron</i> sp.	Japan			1	N.Y.
<i>Ceroptastes rusci</i> (L.) (Coccidae):					
<i>Ficus arbutifolia</i>	Italy			1	D.C.
<i>Ficus carica</i> (fig)	Israel, Italy	3		2	Calif.* Ill., N.Y.
<i>Ficus</i> sp.	Italy			1	D.C.
<i>Ceroptastes sinensis</i> del Guer.(?) (Coccidae):					
<i>Citrus limon</i> (lemon)	do	1			N.Y.
<i>Chaetanaphothrips orchidii</i> (Mlt.) (Thripidae):					
<i>Operculina tuberosa</i> (wood-rose)	Hawaii	1			Hawaii.
<i>Chalcodermus aeneus</i> Boh. (Curculionidae):					
<i>Cajanus cajan</i> (pigeonpea)	Bahamas, Barbados, Panama	6		1	Fla., N.Y.
<i>Chermes piceae</i> Ratz. (Chermidae):					
<i>Abies amabilis</i>	Canada			1	Wash.
<i>Chilo lyftini</i> Dyar (Crambidae):					
<i>Saccharum officinarum</i> (sugarcane)	Mexico	20			Ariz., Calif.
<i>Zea mays</i> (corn)	do	3			Ariz.
<i>Chilo suppressalis</i> (Wlk.) (Crambidae):					
<i>Oryza sativa</i> (rice)	Japan, Korea, Portugal(?)	16	3		Calif.* Va., Wash.
<i>Chionaspis salicis</i> (L.) (Coccidae):					
<i>Bursus</i> sp. (box)	Sweden			1	Mass.
<i>Cytisus</i> sp.	Spain			1	D.C.
<i>Sorbus</i> sp.	Norway			1	N.Y.
<i>Chrysomphalus agavis</i> (Townsend & Ckll.) (Coccidae):					
<i>Yucca elephantipes</i>	Mexico			1	Ariz.
<i>Chrysomphalus albopictus</i> (Ckll.) (Coccidae):					
<i>Anthurium</i> sp.	do			3	Tex.
<i>Chamaedorea</i> sp.	do	1			Tex.
<i>Cocos nucifera</i> (coconut)	do		1		Calif.*
<i>Philodendron</i> sp.	do			1	Tex.
<i>Chrysomphalus bifasciculatus</i> Ferris (Coccidae):					
<i>Citrus reticulata</i> (Mandarin orange)	Japan		1		Calif.*
<i>Fatsia japonica</i> (fatsia)	do		1		Wash.
<i>Hedera helix</i> (English ivy)	do	1			Hawaii.
<i>Ilex crenata</i> (Japanese holly)	do			1	D.C.
<i>Chrysomphalus diversicolor</i> Green (as defined by McKenzie) (Coccidae):					
<i>Citrus sinensis</i> (orange)	Canary Islands		1		Pa.
<i>Chrysomphalus inopinatus</i> (Leon) (Coccidae):					
<i>Pistacia</i> sp. (pistache)	Lebanon	1			N.Y.
<i>Chrysomphalus minutus</i> Kotinsky (Coccidae):					
Unknown plant	Philippines	1			Calif.*
<i>Chrysomphalus odontoglossi</i> (Ckll.) (Coccidae):					
<i>Broughtonia</i> sp. (orchid)	Jamaica			1	N.J.
<i>Chrysomphalus personatus</i> (Comst.) (Coccidae):					
<i>Cocos nucifera</i> (coconut)	Mexico	1			Calif.*
<i>Mangifera indica</i> (mango)	Madeira Islands, Mexico	3			Calif., Mass.
<i>Nerium oleander</i> (oleander)	Mexico			1	Tex.
Orchid	Brazil			1	Tex.
Palm	Venezuela		1		Pa.
<i>Persea americana</i> (avocado)	Mexico	3			Tex.
<i>Rosa</i> sp.	Panama			1	P.R.
<i>Chrysomphalus pinnulifera</i> (Mask.) (Coccidae):					
<i>Dendrobium nobile</i> (orchid)	India			1	Tex.
<i>Chrysomphalus propinquus</i> Banks (as defined by McKenzie) (Coccidae):					
Palm	Venezuela		1		Pa.
<i>Chrysomphalus sacculata</i> (Ferris) (Coccidae) (tentative):					
Twig—unknown	Mexico	1			Ariz.
<i>Chrysomphalus sphaeroides</i> (Ckll.) (Coccidae):					
<i>Chamaedorea oblongata</i>	do	1			Tex.
<i>Dracaena</i> sp.	do			1	Tex.
Palm	do	1			Mass.
<i>Philodendron</i> sp.	do			1	Tex.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Chrysomphalus ienax</i> (McKenzie) (Coccidae):					
<i>Cattleya skinneri</i> (orchid).....	Panama.....			1	Calif.*
Palm.....	Guatemala.....			1	Tex.
<i>Philodendron</i> sp.....	Mexico.....			3	Tex.
<i>Chrysomphalus tingi</i> (McKenzie) Coccidae):					
<i>Cocos nucifera</i> (coconut).....	do.....	2			Calif.*
<i>Chrysomphalus umboniferus</i> (Newst.) (Coccidae):					
<i>Anthurium</i> sp.....	Ecuador, Nicaragua.....			2	Calif.*
<i>Cattleya</i> sp. (orchid).....	Costa Rica.....			1	Fla.
<i>Cattleya</i> (?) sp.....	Mexico.....			1	Calif.*
<i>Epidendrum</i> sp. (orchid).....	El Salvador.....			1	Fla.
<i>Oncidium</i> sp. (orchid).....	Costa Rica.....			1	Fla.
Orchid.....	Canal Zone, Costa Rica, Guatemala, Honduras, Mexico, Panama(?).			8	Fla., N.J.
<i>Philodendron</i> sp.....	Mexico.....			1	Tex.
<i>Schomburgkia</i> sp. (orchid).....	British Honduras.....			1	Fla.
<i>Coccus capparidis</i> (Green) (Coccidae):					
<i>Cypripedium insigne</i> (orchid).....	India.....			1	N.J.
<i>Cypripedium</i> sp.....	do.....			2	N.J.
<i>Coccus viridis</i> (Green) (Coccidae):					
<i>Aralia</i> sp.....	Cuba.....			1	Fla.
<i>Citrus</i> sp.....	Puerto Rico.....	1			Ill.
<i>Coffea</i> sp. (coffee).....	Jamaica.....	1			Fla.
<i>Gardenia augusta</i> (gardenia).....	Hawaii, Philippines.....	43		5	Calif.* Hawaii.
<i>Gerbera</i> sp.....	Trinidad.....			1	Fla.
<i>Izora</i> sp.....	Jamaica, Panama, Trini- dad.....			3	Fla., P.R.
<i>Jasminum</i> sp.....	Algeria.....			1	N.J.
Plant—unknown.....	Hawaii.....			1	Hawaii.
<i>Stanhopea</i> sp. (orchid).....	Peru.....			1	Fla.
<i>Coelonertus nigritrostris</i> Solari (Curculionidae):					
<i>Collinia elegans</i> .....	Mexico.....	40			Tex.
<i>Conchaspis orchidarum</i> Mamet (Coccidae):					
<i>Brassavola</i> sp. (orchid).....	Canal Zone.....			1	Fla.
<i>Loekhartia</i> sp. (orchid).....	do.....			1	Fla.
<i>Conotelus mexicanus</i> Murr. (Nitidulidae):					
<i>Chrysanthemum</i> sp.....	Mexico.....	1			Ariz.
Flowers.....	Hawaii.....	1			Hawaii
<i>Conotrachelus aguacatae</i> Barber (Curculionidae):					
<i>Persea americana</i> (avocado).....	Mexico.....	10	1	1	La., Tex.
<i>Conotrachelus perseae</i> Barber (Curculionidae):					
<i>Persea americana</i> (avocado).....	Central America.....			1	N.Y.
<i>Coptotermes formosanus</i> Shiraki (Rhino- termidae):					
Airplane.....	Hawaii.....			1	Calif.*
<i>Cosmopolites sordida</i> (Germ.) (Curculionidae):					
<i>Musa paradisiaca sapientum</i> (banana).....	Ecuador, Honduras, Mex- ico.....	2		2	La., Pa., Tex.
<i>Musa</i> sp.....	Costa Rica.....			1	N.J.
<i>Cryphula apicatus</i> (Dist.) (Lygaeidae):					
Bromeliad.....	Mexico.....			1	Tex.
<i>Cryptoblabes gnidiella</i> (Mill.) (Phycitidae):					
<i>Cattleya</i> sp. (orchid).....	Venezuela.....			1	N.J.
<i>Citrus limon</i> (lemon).....	Italy.....			1	La.
<i>Citrus sinensis</i> (orange).....	Greece, Spain (?).....	1	1		N.J., N.Y.
<i>Punica granatum</i> (pomegranate).....	Greece, Israel, Italy, Spain.....	11			N.Y.
<i>Cryptophlebia illepidia</i> (Btlr.) (Olethreutidae):					
<i>Euphoria longan</i> .....	Hawaii.....	1			Hawaii.
<i>Litchi chinensis</i> (lychee).....	do.....	1			Hawaii.
<i>Cryptophlebia ombrodelta</i> (Lower) (Olethreutidae):					
<i>Tamarindus indica</i> (tamarind).....	Philippines.....	1			Hawaii.
<i>Cryptotermes brevis</i> (Wlk.) (Kalotermitidae):					
Wooden crates.....	Hawaii.....	1			Calif.*
<i>Curculio elephas</i> (Gyll.) (Curculionidae):					
<i>Castanea</i> sp. (chestnut).....	France, Greece, Italy, Portugal, Spain, Turkey.....	58	6	1	Calif.* Fla., Mass., N.Y., Tex., Wash.
<i>Quercus cerris</i> (European Turkey oak).....	Italy.....			1	N.J.
<i>Quercus ilex</i> (holly oak).....	do.....			1	Calif.*
<i>Quercus</i> sp. (oak).....	do.....	1			N.Y.



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<i>Curculio nucum</i> L. (Curculionidae):					
<i>Corylus avellana</i> (filbert).....	Italy.....	1	---	---	Mass.
<i>Cylas femoralis</i> Faust (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Nigeria.....	---	1	---	Ala.
<i>Cylas formicarius</i> (F.) ssp. (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Philippines, Thailand.....	1	1	---	Hawaii.
<i>Cylas formicarius</i> (F.) var. (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Philippines.....	1	---	---	Hawaii.
<i>Cylas formicarius elegantulus</i> (Summers) (Curculionidae):					
Baggage.....	Hawaii.....	1	---	---	Hawaii.
<i>Ipomoea batatas</i> (sweetpotato).....	British Guiana, Cuba, Dominican Republic, Haiti, Jamaica, Mexico, Puerto Rico.	7	10	---	Fla., La., Md., N.Y., Pa., P.R., St. Thomas and St. John, Tex., Va.
<i>Cylas formicarius formicarius</i> (F.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Hong Kong, India, Singapore, Philippines, Thailand, unknown.	4	5	---	Hawaii, La., Oreg., S.C.
<i>Cylas puncticollis</i> Boh. (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Nigeria, Sierra Leone.....	---	2	---	Ala., Va.
<i>Cyrtopeltis modestus</i> (Dist.) (Miridae):					
<i>Zantedeschia aethiopica</i> (calla lily).....	Colombia.....	1	---	---	N.Y.
<i>Dactylotrypes uytenboogaarti</i> Eggers (Scolytidae):					
<i>Phoenix canariensis</i> .....	England.....	---	---	1	N.J.
<i>Dacus cucurbitae</i> (Coq.) (Tephritidae):					
<i>Cucurbita pepo</i> (zucchini squash).....	Hawaii.....	---	1	---	Calif.*
<i>Lycopersicon esculentum</i> (tomato).....	do.....	---	8	---	Calif.*
<i>Momordica charantia</i> (balsam-pear).....	do.....	1	---	---	Calif.*
<i>Momordica</i> spp.....	do.....	1	---	---	Hawaii.
<i>Phaseolus vulgaris</i> var. (string bean).....	do.....	---	1	---	Calif.*
<i>Dacus cucurbitae</i> (Coq.) (?) (Tephritidae):					
<i>Cucumis sativus</i> (cucumber).....	do.....	---	---	2	Calif.*
<i>Dacus dorsalis</i> Hend. (Tephritidae):					
<i>Calophyllum inophyllum</i> .....	do.....	2	---	---	Hawaii.
<i>Cocos nucifera</i> (coconut).....	do.....	1	---	---	Calif.*
<i>Coffea arabica</i> (Arabian coffee).....	do.....	7	---	---	Hawaii.
<i>Eugenia malaccensis</i> (Malay-apple).....	do.....	1	---	---	Hawaii.
<i>Lycopersicon esculentum</i> (tomato).....	do.....	---	2	---	Calif.*
<i>Mangifera indica</i> (mango).....	do.....	12	5	---	Calif.,* Hawaii.
<i>Musa paradisiaca sapientum</i> (banana).....	Hawaii, unknown.....	1	3	---	Calif.*
<i>Passiflora</i> sp.....	Hawaii.....	1	---	---	Hawaii.
<i>Persea americana</i> (avocado).....	do.....	1	1	---	Calif.,* Hawaii.
<i>Spondias cytherea</i> (vi-apple).....	do.....	1	---	---	Hawaii.
<i>Terminalia catappa</i> (bitter almond).....	do.....	2	---	---	Hawaii.
<i>Dacus dorsalis</i> Hend. (?) (Tephritidae):					
<i>Coffea arabica</i> (Arabian coffee).....	do.....	1	---	---	Hawaii.
<i>Coffea</i> sp. (coffee).....	do.....	3	---	---	Hawaii.
<i>Mangifera indica</i> (mango).....	do.....	2	---	---	Calif.,* Hawaii.
<i>Punica granatum</i> (pomegranate).....	do.....	1	---	---	Hawaii.
<i>Terminalia catappa</i> (bitter almond).....	do.....	1	---	---	Hawaii.
<i>Dacus oleae</i> Gmel. (Tephritidae):					
<i>Olea europaea</i> (olive).....	Italy, Spain.....	30	---	---	Calif.,* Mass., N.Y.
<i>Dacus oleae</i> Gmel. (?) (Tephritidae):					
<i>Olea europaea</i> (olive).....	Unknown.....	---	1	---	Mass.
<i>Deloyala guttata</i> (Oliv.) (Chrysomelidae):					
<i>Allium sativum</i> (garlic).....	Italy.....	1	---	---	N.Y.
Orchid.....	Mexico.....	---	---	1	Tex.
<i>Deroceas reticulatum</i> (Muller) (Mollusca):					
<i>Allium porrum</i> (leek).....	England.....	---	1	---	Pa.
<i>Apium graveolens</i> (celery).....	Belgium.....	---	1	---	Pa.
<i>Brassica chinensis</i> (Chinese cabbage).....	Japan.....	---	1	---	Wash.
<i>Brassica oleracea botrytis</i> (cauliflower).....	Italy, Japan.....	---	2	---	Pa., Wash.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued  
[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Deroceas reticulatum</i> (Muller) (Mollusac)— Con.					
<i>Brassica oleracea capitata</i> (cabbage)-----	Belgium, England, France, Italy, Netherlands, Pan- ama.	10	4	----	Ga., Mass., N.Y., Pa.
<i>Brassica rapa</i> (turnip)-----	Italy-----	-----	1	----	N.Y.
<i>Bryophyllum</i> sp.-----	Bermuda-----	-----	1	----	N.Y.
Fern-----	Mexico-----	-----	1	----	Tex.
Flowers-----	Ireland-----	-----	1	----	Mass.
<i>Ilex crenata</i> (Japanese holly)-----	England-----	-----	1	----	D.C.
<i>Lactuca sativa</i> (lettuce)-----	England, France, Italy-----	3	----	----	N.Y., Pa.
Orchid-----	Costa Rica, El Salvador, Guatemala, Mexico, Venezuela.	-----	7	----	Fla., Tex.
<i>Primula</i> sp.-----	Ireland-----	-----	1	----	Pa.
<i>Vanda</i> sp. (orchid)-----	Hawaii-----	-----	1	----	Hawaii.
<i>Diabrotica porracea</i> Har. (Chrysomelidae):					
Bromeliad-----	Mexico-----	-----	1	----	Tex.
<i>Diachus auratus</i> (F.) (Chrysomelidae):					
Orchid-----	Hawaii-----	1	----	----	Hawaii.
<i>Dialeurodes chittendeni</i> Laing (Aleyrodidae):					
<i>Rhododendron catawbiense</i> (catawba rhodo- dendron).	Netherlands-----	-----	1	----	N.J.
<i>Rhododendron</i> 'Goldsworth Yellow'-----	do-----	-----	1	----	N.J.
<i>Rhododendron</i> sp.-----	England, Netherlands-----	1	6	----	N.J., N.Y.
<i>Dialeurodes citrifolii</i> (Morg.) (Aleyrodidae):					
<i>Citrus</i> sp.-----	Dominican Republic-----	2	----	----	P.R.
<i>Dialeurodes kirkaldyi</i> (Kot.) (Aleyrodidae):					
<i>Gardenia augusta</i> (gardenia)-----	Hawaii-----	1	----	----	Calif.*
<i>Jasminum multiflorum</i> (star jasmine)-----	do-----	1	----	----	Hawaii.
<i>Jasminum sambac</i> (Arabian jasmine)-----	Hawaii, Philippines-----	2	----	2	Calif.* Hawaii.
<i>Diaprepes abbreviatus</i> (L.) (Curculionidae):					
<i>Pothos</i> sp.-----	Puerto Rico-----	-----	1	----	Fla.
<i>Diaspis echinocacti</i> (Bouche) (Coccidae):					
<i>Pachycereus marginatus</i> -----	Mexico-----	-----	1	----	Tex.
<i>Diaspis zamiae</i> Morg. (Coccidae):					
<i>Cussonia triptera</i> -----	Italy-----	-----	1	----	D.C.
<i>Elaeodendron ilicifolium</i> -----	do-----	-----	1	----	D.C.
Palm-----	Portugal-----	1	----	----	N.Y.
<i>Dichrocrocis punctiferalis</i> (Guen.) (Pyraustidae):					
<i>Prunus persica</i> (peach)-----	Japan-----	-----	1	----	Oreg.
<i>Dicypus errans</i> (Wolff) (Miridae):					
Plants—unknown-----	Portugal-----	-----	1	----	D.C.
<i>Dinaspis aculeata</i> Ferris (Coccidae):					
<i>Chamaedorea</i> sp.-----	Mexico-----	1	----	----	Calif.*
<i>Diocalandra taitensis</i> (Guer.) (Curculionidae):					
<i>Cocos nucifera</i> (coconut)-----	Hawaii-----	5	----	----	Hawaii.
<i>Diorymerellus laevimargo</i> Champ. (Curculi- onidae):					
Orchid-----	Mexico-----	-----	2	----	Tex.
<i>Dysdercus andreae</i> (L.) (Pyrrhocoridae):					
<i>Rumex</i> sp.-----	Antigua-----	1	----	----	P.R. <sup>H</sup>
<i>Dysdercus honestus</i> Blute (Pyrrhocoridae):					
<i>Dianthus caryophyllus</i> (carnation)-----	Brazil-----	-----	1	----	N.Y.
<i>Dysdercus mimus</i> (Say) (Pyrrhocoridae):					
<i>Ananas comosus</i> (pineapple)-----	Mexico-----	1	----	----	Tex.
<i>Dyspessa ulula</i> (Bkh.) (Cossidae):					
<i>Allium sativum</i> (garlic)-----	Italy, Spain-----	5	1	----	Mass., N.Y., P.R.
<i>Ectomyelois ceratoniae</i> (Zell.) (Phycitidae):					
<i>Adenantha pazonina</i> (redbead)-----	Hawaii-----	1	----	----	Hawaii.
<i>Cassia</i> sp. (legume)-----	Bahamas-----	1	----	----	N.Y.
<i>Cydonia oblonga</i> (quince)-----	Italy-----	1	----	----	N.Y.
<i>Eriobotrya japonica</i> (loquat)-----	do-----	1	----	----	N.Y.
<i>Juglans regia</i> (English walnut)-----	do-----	1	----	----	N.Y.
<i>Juglans</i> sp. (walnut)-----	Italy, Yugoslavia-----	4	----	----	N.Y., Tex.
<i>Kigelia pinnata</i> -----	Hawaii-----	1	----	----	Hawaii.
<i>Olea europaea</i> (olive)-----	Italy-----	1	----	----	N.Y.
<i>Phoenix dactylifera</i> (date)-----	do-----	1	----	----	N.Y.
<i>Prunus amygdalus</i> (almond)-----	do-----	2	----	----	N.Y.
<i>Punica granatum</i> (pomegranate)-----	Greece, Israel, Italy-----	9	----	----	N.Y.
<i>Tamarindus indica</i> (tamarind)-----	Trinidad, unknown-----	2	----	----	N.Y., P.R.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Ectomyelois muriscis</i> (Dyar) (Phycitidae):					
Legume pod.....	Venezuela.....	1	---	---	Tex.
Seed pod—unknown.....	Mexico, Panama.....	---	---	2	Fla.
<i>Epichorista ionephela</i> Meyr. (Tortricidae):					
<i>Ornithogalum thyrsoides</i> (chinkerichee).....	Union of South Africa.....	5	---	---	N.J., N.Y.
<i>Epipaspidis piricola</i> (del Guer.) (Coccidae):					
<i>Ficus carica</i> (fig).....	Portugal.....	---	---	1	Mass.
<i>Malus sylvestris</i> (apple).....	do.....	---	---	1	Mass.
<i>Epilachna borealis aequinoctialis</i> Muls. (Coccinellidae):					
<i>Musa paradisiaca sapientum</i> (banana).....	Ecuador.....	1	---	---	N.Y.
<i>Epilachna paenulata</i> (Germ.) (Coccinellidae):					
<i>Musa paradisiaca sapientum</i> (banana).....	do.....	1	---	---	Pa.
<i>Epilachna sparsa</i> Hbst. (?) (Coccinellidae):					
Airplane.....	Philippines.....	---	1	---	Hawaii.
<i>Epinotia aporema</i> (Wlsm.) (Olethreutidae):					
<i>Phaseolus vulgaris</i> var. (string bean).....	Chile, Colombia, Mexico.....	6	2	---	Fla., La., Md. Tex.
<i>Freunetis flavistriata</i> Wlsm. (Tineidae):					
<i>Cocos nucifera</i> (coconut).....	Hawaii.....	5	---	---	Hawaii.
<i>Freunetis simulans</i> (Butl.) (Tineidae):					
Airplane.....	Japan.....	---	1	---	Hawaii.
<i>Eriophyes canestrinii</i> (Nal.) (Eriophyidae):					
<i>Buzus semperirens</i> .....	Netherlands.....	---	---	2	N.J.
<i>Eucalymnatus tessellatus</i> (Sign.) (Coccidae):					
<i>Gardenia augusta</i> (gardenia).....	Australia, Mexico.....	1	1	---	Hawaii, Tex.
Palm.....	Italy.....	---	1	---	N.Y.
<i>Eutheola bidentata</i> (Burm.) (Scarabaeidae):					
<i>Ananas comosus</i> (pineapple).....	Mexico.....	1	---	---	Tex.
<i>Eugeraeus unifasciatus</i> Champ. (?) (Curculionidae):					
<i>Chamaedorea</i> sp. (palm).....	do.....	---	---	1	Tex.
<i>Euleia heraclei</i> (L.) (?) (Tephritidae):					
<i>Apium graveolens</i> (celery).....	Italy.....	---	2	---	Va.
<i>Eurytoma orchidearum</i> (Westw.) (?) (Eurytomidae):					
<i>Epidendrum cochleatum</i> (orchid).....	Mexico.....	---	---	1	Tex.
<i>Eurytoma plotnikovi</i> Nik. (Eurytomidae):					
<i>Pistacia</i> sp. (pistache).....	Unknown.....	1	---	---	N.Y.
<i>Euseceps postfasciatus</i> (Fairm.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Brazil, Hawaii, Peru, Puerto Rico.....	2	4	---	Calif., * La., Md., Pa.
<i>Euschistus servus</i> (Say) (Pentatomidae):					
<i>Chrysanthemum</i> sp.....	Mexico.....	1	---	---	Tex.
<i>Eutetranychus banksi</i> (McG.) (Tetranychidae):					
<i>Citrus</i> sp.....	do.....	---	2	---	Tex.
<i>Euzoa spinifera</i> (Hbn.) (Noctuidae):					
Airplane.....	West Pacific.....	---	1	---	Hawaii.
<i>Everes comyntas</i> (Godt.) (Lycaenidae):					
<i>Pisum sativum</i> (pea).....	Mexico.....	1	---	---	Tex.
<i>Erptochiomeria albomaculata</i> (Dist.) (Lygaeidae):					
Orchid.....	do.....	---	---	1	Tex.
<i>Erptochiomeria confusa</i> Barber (Lygaeidae):					
Orchid.....	Ecuador.....	---	---	1	Calif.*
<i>Phaseolus vulgaris</i> var. (string bean).....	Mexico.....	1	---	---	Ariz.
<i>Erptochiomeria oblonga</i> (Stal) (Lygaeidae):					
<i>Lycopersicon esculentum</i> (tomato).....	do.....	1	---	---	Ariz.
<i>Farinococcus guatemalensis</i> Ferris (Coccidae):					
<i>Oncidium ansiferum</i> (orchid).....	Costa Rica.....	---	---	1	Fla.
Orchid.....	Guatemala.....	---	---	1	Tex.
<i>Farinococcus olivaceus</i> (Kell.) (Coccidae):					
<i>Yucca</i> sp.....	Mexico.....	---	---	1	Tex.
<i>Faustinus cubae</i> (Boh.) (Curculionidae):					
<i>Capsicum frutescens</i> (pepper).....	Cuba, Jamaica.....	2	---	---	Fla.
<i>Ferrisia virgata</i> (Kell.) (Coccidae):					
<i>Cucurbita pepo</i> (squash).....	Mexico.....	1	---	---	Tex.
<i>Dendrobium</i> sp. (orchid).....	Philippines.....	---	---	1	Calif.*
<i>Dieffenbachia</i> sp.....	do.....	---	---	1	Calif.*
<i>Gardenia augusta</i> (gardenia).....	Cuba.....	1	---	---	N.Y.
<i>Gossypium</i> sp. (cotton; boll).....	Colombia.....	---	1	---	Tex.
<i>Florinia nephelii</i> Mask. (Coccidae):					
<i>Litchi chinensis</i> (lychee).....	Hong Kong.....	1	---	---	Hawaii.



## Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Fiorinia theae</i> Green (Coccidae):					
<i>Camellia</i> sp.	Nepal			1	D.C.
<i>Frankliniella formosae</i> Mlt. (Thripidae):					
<i>Chrysanthemum</i> sp.	Japan	2	1		Calif.,* Hawaii.
<i>Dianthus caryophyllus</i> (carnation)	do	2			Hawaii.
Flowers	do		2		Wash.
<i>Gladiolus</i> sp.	do	1			Hawaii.
<i>Lilium longiflorum</i> (Easter lily)	do	1			Hawaii.
<i>Frankliniella intonsa</i> (Tryb.) (Thripidae):					
<i>Calluna vulgaris</i> (heather)	Germany	1			N.Y.
<i>Convallaria majalis</i> (lily-of-the-valley)	Denmark			1	N.Y.
<i>Dahlia</i> sp.	Germany	1			Mich.
Flowers	England, Netherlands	2	1		Mass., N.Y.
<i>Helichrysum bracteatum</i> (strawflower)	Yugoslavia	1			N.Y.
<i>Lavandula</i> sp. (lavender)	England	1			Mass.
<i>Rosa</i> sp.	England, Germany	1	1		Mass., N.J.
<i>Frankliniella panamensis</i> Hood (Thripidae):					
<i>Centaurea cyanus</i> (bachelors-button)	Colombia		1		Fla.
<i>Gladiolus</i> sp.	do	1			Fla.
<i>Viola</i> sp. (violet)	do		1		Fla.
<i>Frankliniella schultzei</i> (Tryb.) (Thripidae):					
<i>Chrysanthemum</i> sp.	Australia	1			Hawaii.
<i>Medicago sativa</i> (alfalfa)	Argentina	1			Tex.
Soil with Star-of-Bethlehem bulbs	Union of South Africa			1	N.Y.
<i>Frankliniella tenuicornis</i> (Uzel) (Thripidae):					
<i>Allium sativum</i> (garlic)	Italy	1			Mass.
<i>Frauenfeldia jelinekii</i> (Frfd.) (Aleyrodidae):					
<i>Viburnum tinus</i> (laurestinus)	England, Scotland			2	D.C., N.J.
<i>Fulvius brevicornis</i> Reuter (Miridae):					
<i>Trapa natans</i> (water chestnut)	Hong Kong	2			Hawaii.
<i>Fundella pellucens</i> (Zell.) (Phycitidae):					
<i>Cajanus cajan</i> (pigeonpea)	Barbados	4			N.Y.
<i>Pisum sativum</i> (black-eyed pea)	Puerto Rico	3			P.R.
<i>Furcaspis biformis</i> (Ckll.) (Coccidae):					
<i>Brassavola</i> sp. (orchid)	Jamaica			1	N.J.
Bromeliad	Venezuela			1	Fla.
<i>Catleya superba</i> (orchid)	do			1	N.J.
<i>Catleya</i> sp.	British Guiana, Guatemala, Hawaii, Trinidad	1		6	Calif.,* Hawaii, N.J.
<i>Epidendrum atropurpureum</i> (orchid)	Canal Zone			4	Calif.,* Hawaii, Hawaii.*
<i>Epidendrum</i> sp.	Canal Zone, Panama			6	Fla., N.J.
<i>Gongora maculata</i> (orchid)	Canal Zone			1	N.J.
<i>Laelia</i> sp. (orchid)	do			1	N.J.
<i>Oncidium amphiatum</i> (orchid)	do			1	Calif.*
<i>Oncidium panamense</i>	do			3	Calif.,* Fla., N.J.
<i>Oncidium</i> sp.	do			1	Fla.
Orchid	Brazil, British Honduras, Canal Zone, Costa Rica, Cuba, El Salvador, Grenada, Hawaii, Honduras, Panama, Trinidad			29	Calif.,* Fla., Hawaii.
<i>Renanthera elongata</i> (orchid)	Singapore			1	Hawaii.*
<i>Stanhopea wardii</i> (orchid)	Canal Zone			1	Calif.*
<i>Vanda</i> sp. (orchid)	Federation of Malaya			1	N.J.
<i>Furcaspis oceanica</i> Ldgr. (Coccidae):					
<i>Cocos nucifera</i> (coconut)	Kwajalein		1		Hawaii.
<i>Galgupha punctifer</i> McA. & Mall. (Pentatomidae):					
Bromeliad	Mexico			1	Tex.
Orchid	do			1	Tex.
<i>Tillandsia</i> sp.	do			1	Tex.
<i>Galgupha quadrisignata</i> (Stal) (Pentatomidae):					
Bromeliad	do			1	Tex.

## Pests Collected and Report From July 1, 1957, Through June 30, 1958—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Gelechia ericetella</i> (Hbn.) (Gelechiidae):					
<i>Calluna vulgaris</i> (heather).....	England, Germany, Scotland.	3	---	1	Mass., N.Y.
<i>Geniocremonus chilensis</i> (Boh.) (Curculionidae):					
<i>Prunus domestica</i> (plum).....	Chile.....	1	---	---	N.Y.
<i>Prunus persica</i> (peach).....	do.....	1	---	---	N.Y.
<i>Prunus persica nectarina</i> (nectarine).....	do.....	1	---	---	N.Y.
<i>Geotomus pygmaeus</i> (Dall.) (Cydnidae):					
Flowers.....	Hawaii.....	1	---	---	Hawaii.
<i>Glycyphagus ornatus</i> Kramer (Glycyphagidae):					
Soil with inhamas.....	Portugal.....	1	---	---	Mass.
<i>Gnaphalodes trachyderoides</i> Thoms. (Cerambycidae):					
<i>Lycopersicon esculentum</i> (tomato).....	Mexico.....	1	---	---	Tex.
<i>Gnorimoschema gudmannella</i> (Wlsm.) (Gelechiidae):					
<i>Capsicum frutescens</i> (pepper).....	do.....	1	---	---	Fla.
<i>Capsicum frutescens grossum</i> (bell pepper).....	do.....	3	---	---	Ariz., Fla.
<i>Gnorimoschema ocellatella</i> Boyd (Gelechiidae):					
<i>Beta vulgaris</i> (beet).....	Spain.....	---	2	---	Pa.
<i>Spinacia oleracea</i> (spinach).....	Morocco.....	---	1	---	Pa.
<i>Gracilaria azaleella</i> Brants (Gracilariidae):					
<i>Rhododendron</i> sp. (azalea).....	Japan, Netherlands.....	---	---	4	N.J., Wash.
<i>Grapholitha packardii</i> Zell. (Olethreutidae):					
<i>Crataegus</i> spp.....	Mexico.....	2	---	---	Tex.
<i>Gymnandrosoma aurantianum</i> Costa Lima (Olethreutidae):					
<i>Citrus paradisi</i> (grapefruit).....	do.....	---	1	---	Tex.
<i>Gymnococcus agatium</i> (Doug.) (Coccidae):					
<i>Agave</i> sp.....	do.....	---	---	1	Tex.
<i>Gynaikothrips ficorum</i> (Marchal) (Phlaeothripidae):					
Leaf—unknown.....	do.....	---	---	1	Calif.
<i>Halticus chrysoplepis</i> Kirk. (Miridae):					
<i>Dendrobium</i> sp. (orchid).....	Hawaii.....	1	---	---	Hawaii.
<i>Haplothrips cottei</i> (Vuillet) (Phlaeothripidae):					
Plant—unknown.....	Azores.....	---	---	1	Mass.
<i>Haplothrips gourdeyi</i> (Frankl.) (Phlaeothripidae):					
<i>Antirrhinum majus</i> (snapdragon).....	Bermuda.....	1	---	---	Mass.
<i>Dianthus caryophyllus</i> (carnation).....	Bermuda, Japan.....	2	---	---	Hawaii, N.Y.
Flowers.....	Bermuda, Haiti.....	2	---	---	Mass., P.R.
<i>Gerbera</i> sp.....	Bermuda.....	1	---	---	Mass.
<i>Mentha crispata</i> .....	Tortola.....	1	---	---	St. Thomas and St. John.
<i>Nerium oleander</i> (oleander).....	Bermuda.....	1	---	---	N.Y.
Plant—unknown.....	Azores.....	---	---	1	Mass.
<i>Zantedeschia aethiopica</i> (calla lily).....	Haiti.....	1	---	---	Fla.
<i>Helix aspersa</i> (Muller) (Mollusca):					
<i>Armeria</i> sp. (statice).....	Peru.....	1	---	---	Fla.
<i>Cichorium intybus</i> (chickory).....	France.....	---	1	---	N.Y.
Flowers.....	Ireland.....	1	---	---	Mass.
<i>Lactuca sativa</i> (lettuce).....	Mexico.....	---	1	---	Tex.
Unknown.....	Azores.....	---	1	---	N.Y.
<i>Helthia undalis</i> (F.) (Pyraustidae):					
<i>Brassica rapa</i> (turnip).....	French West Africa.....	---	1	---	Mass.
<i>Raphanus sativus</i> (radish).....	do.....	---	---	---	Pa.
<i>Heminene juliana</i> (Curt.) (Olethreutidae):					
<i>Castanea</i> sp. (chestnut).....	Italy.....	2	---	---	N.Y.
<i>Quercus falcata</i> (Spanish oak).....	do.....	---	---	1	Calif.*
<i>Hepialus humuli</i> (L.) (Hepialidae):					
<i>Dahlia</i> sp.....	England.....	---	---	1	Ill.
<i>Heterobostrychus aequalis</i> (Waterh.) (Bostrichidae):					
Airplane.....	Cuba.....	---	1	---	Fla.
Wood.....	India.....	2	---	---	N.Y.
<i>Heterotermes conezinotatus</i> (Snyder) (Rhinotermitidae):					
Palm.....	Mexico.....	---	---	1	Tex.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Hyalopezus pellucidus</i> (Stal) (Miridae): Foliage	Hawaii	1			Hawaii.
<i>Hylurgops polliatus</i> (Gyll.) (Scolytidae): Wood	Switzerland	1			N.Y.
<i>Hypera nigritrostris</i> (F.) (Curculionidae): <i>Trifolium pratense</i> (red clover)	Italy			1	D.C.
<i>Hypera postica</i> (Gyll.) (Curculionidae): <i>Lolium</i> sp.	Greece			1	D.C.
<i>Hypera punctata</i> (Fab.) (Curculionidae): With maple leaves and peaches	France		1		Ill.
<i>Icerya seychellarum</i> (Westw.) (Coccidae): <i>Litchi chinensis</i> (lychee)	Japan			1	Calif.*
<i>Ips calligraphus</i> (Germ.) (Scolytidae): Log	Bahamas	1			Fla.
<i>Ips combrae</i> Herr (Scolytidae): Bark on wood crate	Germany	1			Mass.
<i>Iridomyrmex humilis</i> Mayr (Formicidae): <i>Annona</i> sp.	Azores	1			Mass.
<i>Dianthus caryophyllus</i> (carnation)	Bermuda	1			Mass.
<i>Erica</i> sp.	Union of South Africa	1			N.Y.
<i>Euphorbia pulcherrima</i> (poinsettia)	Bermuda			1	N.Y.
Flowers	Bermuda, Union of South Africa	3			Mass., N.Y.
<i>Freesia</i> sp.	Bermuda	1			Mass.
<i>Phaseolus vulgaris</i> var. (string bean)	Italy		1		Mass.
<i>Protea</i> sp.	Union of South Africa	2			N.Y.
<i>Triticum aestivum</i> (wheat)	Portugal	1			N.J.
<i>Iridomyrmex iniguus</i> Mayr (Formicidae): Orchid	Guatemala			2	Tex.
<i>Iridothrips iridis</i> (Wats.) (Thripidae): Iris sp.	England			1	N.J.
<i>Ischnodemus diplopterus</i> (Dist.) (Lygaeidae): <i>Prunus armeniaca</i> (apricot)	Union of South Africa	1			N.Y.
<i>Prunus persica</i> (peach)	do	1			N.Y.
<i>Vitis</i> sp. (grape)	do	1			N.Y.
<i>Isonurothrips obscuratus</i> Cwfd. (Thripidae): <i>Rosa</i> sp. (rose)	Australia		1		Hawaii.
<i>Jadera sanguinolenta</i> (F.) (Coreidae): <i>Gossypium</i> sp. (cotton; boll)	Mexico	1			Tex.
<i>Lampetia equestris</i> (F.) (Syrphidae): <i>Narcissus</i> sp.	England, Germany, Ireland, Netherlands, Northern Ireland.			12	Mich., N.J., N.Y.
<i>Lampides boeticus</i> (L.) (Lycaenidae): <i>Canavalia microcarpa</i>	Hawaii	2			Hawaii.
<i>Canavalia</i> sp. (mauna loa)	do	54			Calif.,* Hawaii.
<i>Lapazia oblecta</i> Ferris (Coccidae): Cutting—unknown	Mexico	1			Calif.*
<i>Laspeyresia fabivora</i> Meyrick (Olethreutidae): <i>Phaseolus vulgaris</i> var. (string bean)	Ecuador		1		N.Y.
<i>Laspeyresia nigricana</i> (Stph.) (Olethreutidae): <i>Pisum sativum</i> (pea)	Italy	1			Mass.
<i>Laspeyresia splendana</i> (Hbn.) (Olethreutidae): <i>Castanea</i> sp. (chestnut)	Azores, France, Greece, Italy, Philippines, Portugal, Spain.	48	2		Calif.,* Mass., N.Y., P.R., Tex.
<i>Lecaniodiaspis dendrobii</i> (Dougl.) (Coccidae): Orchid	British Honduras			1	Fla.
<i>Lecanium corni</i> Bouche (Coccidae): <i>Euonymus pendulus</i>	England			1	D.C.
<i>Robinia</i> sp.	France			1	D.C.
<i>Lecanium coryli</i> (L.) (Coccidae): <i>Acer caesium</i>	do			1	D.C.
<i>Acer platanoides</i> (Norway maple)	Belgium			1	N.J.
<i>Lechriops psidii</i> Mshl. (Curculionidae): <i>Psidium guajava</i> (guava)	Puerto Rico	1			Ill.
<i>Lepidosaphes conchiformis</i> (Gmel.) (Coccidae): <i>Diospyros kaki</i> (kaki persimmon)	Japan	1	2		Calif.*
<i>Pyrus pyrifolia</i> (sand pear)	Korea	1			Hawaii.
<i>Lepidosaphes esakii</i> Tak. (Coccidae): <i>Pandanus</i> sp.	Marshall Islands			1	Hawaii.*



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<i>Lepidosaphes ficus</i> (Sign.) (Coccidae):					
<i>Ficus carica</i> (fig).....	Italy.....			2	Mass., N.Y.
<i>Ficus</i> sp.....	do.....			1	N.Y.
<i>Lepidosaphes kamakurensis</i> Kuw. (Coccidae):					
<i>Camellia japonica</i> (camellia).....	Japan.....			1	D.C.
<i>Lepidosaphes mcgregori</i> Banks (Coccidae):					
<i>Cocos nucifera</i> (coconut).....	Guam.....	2			Hawaii.
<i>Lepidosaphes newsteadi</i> (Sulc.) (Coccidae):					
<i>Juniperus chinensis</i> (Chinese juniper).....	Japan.....			1	Calif.*
<i>Pinus</i> sp. (pine).....	do.....			1	Calif.*
<i>Lepidosaphes pallida</i> (Green) (Coccidae):					
<i>Cupressus</i> sp. (cypress).....	do.....			3	Calif.*
<i>Juniperus chinensis</i> (Chinese juniper).....	do.....			2	Calif.*
<i>Juniperus</i> sp. (juniper).....	do.....			2	Calif.*
<i>Taxus</i> sp. (yew).....	do.....			1	Calif.*
<i>Lepidosaphes philococcus</i> (Ckll.) (Coccidae):					
<i>Agave</i> sp.....	Mexico.....			1	Fla.
<i>Cactus</i> .....	do.....			1	Tex.
<i>Ferocactus</i> sp.....	do.....			1	Tex.
<i>Lepidosaphes pistaciae</i> Arch. (Coccidae):					
<i>Pistacia</i> sp. (pistache).....	Iran, Lebanon.....	1		1	D.C., Mass.
<i>Lepidosaphes pistaciae</i> f. <i>pistaciola</i> Borch. (Coccidae):					
<i>Pistacia vera</i> (pistache).....	Iran.....			1	N.J.
<i>Lepidosaphes tokionis</i> (Kuw.) (Coccidae):					
<i>Anthurium</i> sp.....	Hawaii.....			1	Hawaii.
<i>Codiaeum variegatum</i> (codieum).....	do.....	9		2	Hawaii.
<i>Cordyline terminalis</i> (ti).....	do.....			1	Calif.*
<i>Lepidosaphes tuberculata</i> Mal. (Coccidae):					
<i>Cymbidium chaobee</i> (orchid).....	Formosa.....			1	Hawaii.
<i>Cymbidium kanran</i> .....	do.....			2	Hawaii, Hawaii.*
<i>Cymbidium pumilum</i> .....	Japan.....			2	Calif.*
<i>Cymbidium simonstanum</i> .....	Formosa.....			2	Calif.*
<i>Cymbidium sinense</i> .....	do.....	1			Hawaii.*
<i>Cymbidium</i> sp.....	Australia, England, Fiji Islands, Formosa, Hawaii, Japan, New Zealand.....			29	Calif.,* Hawaii, Hawaii,* N.J.
Orchid.....	Australia, Guatemala, Japan.....		1	4	Calif.,* Tex., Wash.
<i>Lepidosaphes tubulorum</i> Ferris (Coccidae):					
<i>Diospyros</i> sp. (persimmon).....	Japan.....		1		Hawaii.
<i>Eurya yakushimensis</i> .....	do.....			1	D.C.
<i>Leptoglossus chiliensis</i> (Spin.) (Coreidae):					
<i>Vitis</i> sp. (grape).....	Chile.....	43			N.Y.
<i>Lethocerus indicus</i> (Lep. & Serv.) (Belostomidae):					
Mall bag.....	West Pacific.....	1			Hawaii.
<i>Leucaspis cockerelli</i> (de Charm.) (Coccidae):					
<i>Brassia</i> sp. (orchid).....	Canal Zone.....			1	N.J.
<i>Broughtonia</i> sp.....	Jamaica.....			1	Fla.
<i>Citrus aurantifolia</i> (lime).....	Panama.....		1		Calif.*
<i>Citrus grandis</i> (pummelo).....	Hawaii.....	2			Calif.*
<i>Citrus paradisi</i> (grapefruit).....	Cuba, Jamaica, Panama.....		4		Calif.*
<i>Citrus sinensis</i> (orange).....	Panama.....		2		Calif.*
<i>Roystonea regia</i> (royal palm).....	Dominican Republic.....			2	Fla.
<i>Vanda teres</i> (orchid).....	Martinique.....			1	N.J.
<i>Leucaspis loewi</i> Colvée (Coccidae):					
<i>Pinus sylvestris</i> (Scotch pine).....	France.....			1	D.C.
<i>Leucaspis pusilla</i> Loew (Coccidae):					
<i>Pinus</i> sp. (pine).....	Portugal.....	1			N.Y.
<i>Leucaspis riccae</i> Targ. (Coccidae):					
<i>Ephedra</i> sp.....	Italy.....			1	D.C.
<i>Olea europaea</i> (olive).....	Greece.....			1	Mass.
<i>Leucinodes orbonalis</i> Guen. (Pyraustidae):					
<i>Solanum melongena</i> (eggplant).....	Nigeria.....		1		Ala.
<i>Ligyrocorts auritilliana</i> (Dist.) (Lygaeidae):					
<i>Capiscum frutescens</i> (pepper).....	Mexico.....	1			Ariz.
<i>Cucumis melo cantalupensis</i> (cantaloupe).....	do.....	1			Ariz.
Orchid.....	Guatemala, Mexico.....			2	Tex.

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<i>Ligyrocoris nitidicollis</i> (Stal) (Lygaeidae):					
Orchid.....	Costa Rica, Mexico.....			2	Tex.
<i>Limax marginatus</i> (Muller) (Mollusca):					
<i>Brassica rapa</i> (turnip).....	Australia.....	1			Mass.
Bromeliad.....	Costa Rica.....		1		Fla.
<i>Daucus carota</i> (carrot).....	Australia.....	1			Wash.
<i>Nepenthes</i> sp.....	Japan.....		1		Hawaii.
Orchid.....	Costa Rica, Guatemala, Mexico.....		7		Fla., Tex.
<i>Persea americana</i> (avocado).....	Cuba.....	1			Pa.
Soil with carnation, chrysanthemum, and geranium plants.....	Argentina.....		1		Fla.
Soil with liliaceae bulb.....	Mexico.....		1		Tex.
<i>Limax maximus</i> L. (Mollusca):					
Moss packing with fig plant.....	Italy.....		1		N.Y.
<i>Limothrips denticornis</i> Hal. (Thripidae):					
<i>Conwallaria majalis</i> (lily-of-the-valley).....	Denmark.....		2		N.Y.
<i>Hordeum vulgare</i> (barley).....	Poland.....	1			N.Y.
<i>Triticum aestivum</i> (wheat).....	do.....	1			N.Y.
<i>Lineaspis striata</i> (Newst.) (Coccidae):					
<i>Juniperus oxycedrus</i> (prickly juniper).....	Portugal.....		1		D.C.
<i>Listroderes costirostris obliquus</i> (Klug) (Curculionidae):					
Wood.....	Hawaii.....	1			Hawaii.
<i>Listroderes subcincta</i> Boh. (Curculionidae):					
<i>Prunus domestica</i> (plum).....	Chile.....	1			N.Y.
<i>Lobesia botrana</i> (Schiff.) (?) (Olethreutidae):					
<i>Vitis</i> sp. (grape).....	Italy.....	1			N.Y.
<i>Luzulaspis kondarensis</i> Borchs. (Coccidae):					
<i>Bromus</i> sp. (brome).....	Iran.....		1		D.C.
<i>Lycophotia ornea</i> (Druec) (Noctuidae):					
<i>Chamaedorea oblongata</i> .....	Mexico.....	1			Tex.
<i>Lyctoxylon japonum</i> Reitt. (Lyctidae):					
Bamboo.....	Japan.....	1			Calif.*
<i>Lyctus africanus</i> Lesne (Lyctidae):					
Bamboo.....	do.....	1			Pa.
Wood.....	India.....	3			Ill., N.Y.
<i>Lyctus brunneus</i> (Steph.) (Lyctidae):					
Palm wood drum.....	Kenya.....	1			Va.
<i>Lygaeus albo-ornatus</i> Blanch. (Lygaeidae):					
<i>Allium cepa</i> (onion).....	Chile.....	1			N.Y.
<i>Lygus gemellatus</i> (Hsiao-Sailer) (Miridae):					
<i>Cichorium intybus</i> (escarole).....	Italy.....		1		N.Y.
<i>Malacosoma neustria</i> (L.) (Lasiocampidae):					
<i>Prunus</i> sp. (cherry).....	Japan.....		1		Hawaii.*
<i>Mamestra brassicae</i> (L.) (Phalaenidae):					
<i>Brassica oleracea capitata</i> (cabbage).....	Belgium.....		1		Tex.
<i>Maruca testulalis</i> (Geyer) (Pyraustidae):					
<i>Cajanus cajan</i> (pigeonpea).....	Puerto Rico.....	2			P.R.
<i>Canavalia</i> sp. (mauna loa).....	Hawaii.....	16			Calif., Hawaii.
<i>Phaseolus lunatus</i> (civet bean).....	do.....		1		Calif.*
<i>Phaseolus vulgaris</i> var. (string bean).....	Brazil, Ghana, Japan, Puerto Rico.....	5	4		Ala., Calif.,* Ill., Mass., N.Y., P.R., St. Thomas and St. John.
<i>Pisum sativum</i> (pea).....	Puerto Rico.....	1			Ill.
<i>Melipotis famelica</i> (Guen.) (Noctuidae):					
Airplane.....	Bahamas.....		1		Fla.
<i>Metamasius sericeus</i> (Oliv.) (Curculionidae):					
<i>Musa paradisiaca sapientum</i> (banana).....	Ecuador, Honduras, unknown.....	61			Calif.,* La., Md., N.Y., Pa., S.C., Tex.
<i>Metamasius sericeus sericeus</i> (Oliv.) (Curculionidae):					
<i>Musa paradisiaca sapientum</i> (banana).....	Ecuador.....	1			N.Y.
<i>Microtus ericae</i> (Gyll.) (Curculionidae):					
<i>Calluna vulgaris</i> (heather).....	Scotland.....	3			Mass., N.Y.
<i>Microcerotermes arboreus</i> Emerson (Termitidae):					
Orchid.....	Grand Cayman.....		1		Fla.

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<i>Micrutalis apicalis</i> Godg. (Membracidae):					
Herbaceous plants	Cuba	1			N.Y.
<i>Millar gagates</i> (Drap.) (?) (Mollusca):					
<i>Lactuca sativa</i> (lettuce)	Germany		1		Mich.
<i>Mimosastes sallaei</i> (Sharp) (Bruchidae):					
<i>Acacia farnesiana</i> (sweet acacia)	Hawaii	1			Hawaii.
Legume	do.	1			Hawaii.
<i>Cordia</i> sp.	do.	1			Hawaii.
<i>Minthea rugicollis</i> (Wlk.) (Lyctidae):					
Hardwood lumber	India	1			Ala.
<i>Molorchus minor</i> (L.) (Cerambycidae):					
Wood	Denmark	1			N.Y.
<i>Monanthia monotropidia</i> Stal (Tingidae):					
Orchid	Brazil			1	Calif.
<i>Monomorium destructor</i> (Jord.) (Formicidae):					
<i>Aponogeton</i> sp.	Ceylon			1	N.Y.
<i>Citrus sinensis</i> (orange)	Jamaica	1			S.C.
<i>Oryza sativa</i> (rice)	Australia		1		S.C.
<i>Morganella longispina</i> (Morg.) (Coccidae):					
<i>Citrus paradisi</i> (grapefruit)	Tahiti		2		Calif.,*
<i>Citrus reticulata</i> (Mandarin orange)	Japan	1	8		Hawaii.
<i>Citrus sinensis</i> (orange)	do.		2		Calif.,*
<i>Dendrobium gordonii</i> (orchid)	Fiji Islands			1	Hawaii.*
<i>Nerium oleander</i> (oleander)	Bermuda	1			Mass.
Plant—unknown	Philippines	1			Calif.*
<i>Mormidea pictiventris</i> Stal (Pentatomidae):					
Orchid	Bahamas			1	Fla.
<i>Myzus ascalonicus</i> Donc. (Aphidae):					
<i>Lactuca sativa</i> (lettuce)	England, Sweden		2		Ill., Pa.
<i>Tulipa</i> sp. (tulip)	Netherlands		1		N.J.
<i>Nasutitermes corniger</i> (Motsch.) (Termitidae):					
Bromeliad	Panama			1	Fla.
Wood—unknown	do.	1			Fla.
<i>Nasutitermes costalis</i> (Holmgren) (Termitidae):					
Wood crating	Puerto Rico	1			S.C.
<i>Naupactus xanthographus</i> (Germ.) (Curculionidae):					
<i>Cucumis melo</i> (melon)	Chile	1			N.Y.
<i>Vitis</i> sp. (grape)	do.	6			N.Y.
<i>Neodryocetes guianae</i> Btkm. (Scolytidae):					
<i>Cerantia siligua</i> (St. Johns bread)	Trinidad	1			Fla.
<i>Neoleucinodes elegantalis</i> (Guen.) (Pyraustidae):					
<i>Lycopersicon esculentum</i> (tomato)	Mexico	4			Tex.
<i>Solanum melongena</i> (eggplant)	Brazil		1		Pa.
<i>Solanum quitoense</i>	Ecuador	1			Fla.
<i>Neoleucon rubrotylus</i> Carvalho (Miridae):					
<i>Dieffenbachia</i> sp.	Mexico			1	Tex.
<i>Monstera deliciosa</i>	do.			1	Tex.
<i>Philodendron</i> sp.	do.			2	Tex.
<i>Neotermes chilensis</i> (Blanchard) (Kalotermitidae):					
<i>Vitis</i> sp. (grape)	Chile	1			N.Y.
<i>Nephotettix apicalis</i> (Mots.) (Cicadellidae):					
Airplane	Japan (?)		1		Hawaii.
<i>Nephotettix bipunctatus</i> (F.) (Cicadellidae):					
Airplane	India (?), Philippines		2		Fla., Hawaii.
<i>Nezara viridula</i> (L.) (Pentatomidae):					
<i>Brassica chinensis</i> (Chinese cabbage)	Mexico	1			Ariz.
<i>Capsicum frutescens</i> (pepper)	Puerto Rico	1			P.R.
<i>Vigna sinensis</i> (cowpea)	Mexico	1			Tex.
<i>Vitis</i> sp. (grape)	Chile	9			N.Y.
<i>Zantedeschia aethiopica</i> (calla lily)	Haiti	1			Fla.
<i>Nipponaclerda biwakoensis</i> (Kuw.) (Coccidae):					
<i>Juncus</i> sp. (rush)	Japan	2	1		Calif.
<i>Noropsis hieroglyphica</i> (Cram.) (Noctuidae):					
Airplane	Venezuela		1		Fla.
<i>Ananas comosus</i> (pineapple)	Cuba	1			N.Y.
<i>Nysius coenosulus</i> Stal (Lygaeidae):					
<i>Vanda</i> sp. (orchid)	Hawaii	1			Hawaii.
<i>Nysius raphanus</i> Howard (Lygaeidae):					
Orchid	Guatemala			1	Tex.



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<i>Nysius vinitor</i> (Bergroth) (Lygaeidae):					
<i>Lactuca sativa</i> (lettuce)	Australia		1		Hawaii.
<i>Orbrium cantharinum</i> (L.) (?) (Cerambycidae):					
Wooden crate	France	1			N.Y.
<i>Odonaspis ruthae</i> Kot. (Coccidae):					
<i>Cynodon dactylon</i> (Bermuda grass)	Kenya		1		D.C.
<i>Oebalus insularis</i> Stal (Pentatomidae):					
Orchid	Mexico		1		Tex.
<i>Oedancala bimaculata</i> (Dist.) (Lygaeidae):					
Orchid	do.		1		Tex.
<i>Ogdoecosta catenulata</i> (Boh.) (Chrysomelidae):					
Bromeliad	do.		1		Tex.
<i>Olethreutes leucotreta</i> (Meyr.) (Olethreutidae):					
<i>Citrus paradisi</i> (grapefruit)	Union of South Africa		1		Tex.
<i>Citrus sinensis</i> (orange)	do.		1		Mass.
<i>Oligonychus perditus</i> P. & B. (Tetranychidae):					
<i>Thuja</i> sp. (arborvitae)	Japan		1		Wash.
<i>Opogona subcervinella</i> (Wlk.) (Tineidae):					
With dahlias and gladiolus	Portugal		1		Mass.
<i>Opuntiaspis carinata</i> (Ckll.) (Coccidae):					
Orchid	Mexico		1		N.J.
<i>Orchidophilus aterrimus</i> (Waterh.) (Curculionidae):					
<i>Alpinia purpurata</i>	Hawaii	1			Hawaii.
<i>Anthurium</i> sp.	do.	1			Hawaii.
<i>Dendrobium undulatum</i> (orchid)	Indonesia		1		Hawaii.
<i>Vanda joaquimae</i> (orchid)	Hawaii	1			Hawaii.
<i>Vanda</i> sp.	do.	26			Hawaii.
<i>Orthesia pseudosignis</i> Morr. (Coccidae):					
<i>Citrus</i> sp.	Mexico	1			Ariz.
<i>Punica granatum</i> (pomegranate)	do.	1			Tex.
<i>Ortholomus jamaicensis</i> (Dallas) (Lygaeidae):					
Airplane	Costa Rica		1		Fla.
<i>Orychilus allarius</i> (Muller) (Mollusca):					
<i>Pelargonium</i> sp. (geranium)	Netherlands		1		N.Y.
Soil with shamrock	Ireland		1		Mich.
<i>Orydema fusiforme</i> Woll. (Curculionidae):					
<i>Alpinia</i> sp. (red ginger)	Hawaii	1			Hawaii.
<i>Dendrobium</i> sp. (orchid)	do.	1			Hawaii.
<i>Macadamia</i> sp.	do.	1			Hawaii.
Mail parcel	do.	2			Hawaii.
Snitcase	Midway Islands	1			Hawaii.
<i>Orygylus ruginatus</i> (Lec.) (Scarabaeidae):					
<i>Triticum aestivum</i> (wheat)	Mexico		1		Calif.
<i>Ozophora concava</i> (Dist.) (Lygaeidae):					
Cycad	do.		1		Tex.
<i>Ozophora consanguineus</i> (Dist.) (Lygaeidae):					
<i>Agave</i> sp.	do.		1		Ariz.
<i>Pachodynerus nasidens</i> (Latr.) (Vespidae):					
Airplane	do.		1		Tex.
<i>Pachybrachius albocinctus</i> Barber (Lygaeidae):					
<i>Hibiscus exculentus</i> (okra)	Cuba	1			La.
<i>Pachybrachius nigricaps</i> (Dallas) (Lygaeidae):					
Airplane	South Pacific		1		Hawaii
<i>Pachygrontha oedancalodes</i> Stal (Lygaeidae):					
Orchid	Mexico		1		Tex.
<i>Pachyzancla bipunctalis</i> (F.) (?) (Pyraustidae):					
<i>Ambrosia peruviana</i> ("altamisa")	Puerto Rico	1			Ill.
<i>Pachyzancla peruvialis</i> (Wlk.) (Pyraustidae):					
<i>Capsicum frutescens</i> (pepper)	do.	1			Ill.
<i>Solanum</i> sp.	do.	1			Ill.
<i>Pagocerus florii</i> (Eggers) (Scolytidae):					
<i>Zea mays</i> (corn)	Ecuador, Peru	4			Fla., La
<i>Palaeocorynus nigrosignatus</i> Duviv. (Curculionidae):					
Log—unknown	French West Africa	1			S.C.
<i>Palaeopus costicollis</i> Mshl. (Curculionidae):					
<i>Dioscorea</i> sp. (yam)	Jamaica	1			N.Y.
<i>Paragonatus divergens</i> (Dist.) (Lygaeidae):					
Airplane	Mexico		1		Tex.

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<i>Parlatoria camelliae</i> Comst. (Coccidae):					
<i>Buxus</i> sp. (box).....	Iran.....	---	---	1	D.C.
<i>Camellia japonica</i> .....	Japan, Portugal, Switzerland.....	1	---	2	Calif., * Hawaii, N.Y.
<i>Camellia sasanqua</i> (sasanqua camellia).....	Japan.....	---	---	2	D.C.
<i>Camellia</i> sp.....	Japan, Portugal.....	---	---	9	Calif., * D.C., Hawaii.
<i>Eurya japonica</i> .....	Japan.....	---	1	---	Pa.
<i>Parlatoria cinerea</i> Hadden (Coccidae):					
<i>Citrus aurantifolia</i> (sour lime).....	Mexico.....	---	1	---	Calif.*
<i>Citrus limon</i> (lemon).....	Argentina, unknown.....	1	1	---	Calif.*
<i>Citrus paradisi</i> (grapefruit).....	Canal Zone, Colombia, Tahiti, Trinidad, unknown.....	1	5	---	Calif., * Hawaii.
<i>Citrus sinensis</i> (orange).....	Argentina, Brazil, Canal Zone, Panama.....	2	5	---	Calif., * Fla.
<i>Parlatoria citri</i> McKenzie (Coccidae):					
<i>Citrus</i> sp.....	Thailand.....	1	---	---	Hawaii.,
<i>Parlatoria crotonis</i> Dougl. (Coccidae):					
<i>Codiaeum variegatum</i> (codium).....	Cuba, Hawaii.....	4	---	---	Fla., Hawaii.
<i>Parlatoria oleae</i> (Colves) (Coccidae):					
<i>Malus sylvestris</i> (apple).....	Greece, Italy.....	2	---	---	Mass., N.Y.
<i>Olea europaea</i> (olive).....	Greece.....	1	---	---	Mass.
<i>Prunus amygdalus</i> (almond).....	do.....	---	1	---	Mass.
<i>Prunus armeniaca</i> (apricot).....	Italy.....	---	1	---	D.C.
<i>Rosa</i> sp.....	Iran.....	---	1	---	D.C.
<i>Parlatoria proteus</i> (Curt.) (Coccidae):					
<i>Aspidiotus</i> sp.....	Jamaica.....	---	---	1	Fla.
<i>Parlatoria pseudaspidotus</i> Ldgr. (Coccidae):					
Orchid.....	Indonesia, New Zealand.....	---	---	2	Calif., * Hawaii.*
<i>Vanda hookeriana</i> (orchid).....	Indonesia.....	---	---	1	N.J.
<i>Vanda teres</i> .....	do.....	---	---	1	N.J.
<i>Vanda</i> sp.....	American Samoa, Colombia, Panama.....	1	---	2	Fla., Hawaii.
<i>Parlatoria zizyphus</i> (Lucas) (Coccidae):					
<i>Citrus aurantifolia</i> (lime).....	Hawaii, Thailand.....	2	---	---	Calif., * Hawaii.
<i>Citrus aurantifolia</i> (sour lime).....	China, Japan.....	---	2	---	Calif.*
<i>Citrus grandis</i> (pummelo).....	China, Federation of Malaya, Formosa, Hong Kong, Japan, Philippines, Singapore, South Pacific.....	5	7	---	Calif., * Hawaii.
<i>Citrus limon</i> (lemon).....	Italy, Japan, unknown.....	3	8	---	Calif.*
<i>Citrus paradisi</i> (grapefruit).....	French West Africa, Japan, Tunisia.....	---	3	---	Calif., * Mass., Pa.
<i>Citrus reticulata</i> (Mandarin orange).....	Algeria, China, Formosa, France, French West Africa, Hong Kong, unknown.....	5	9	---	Calif., * Hawaii, Mass., Tex.
<i>Citrus sinensis</i> (orange).....	Algeria, China, France, Italy, Japan, Morocco, Spain.....	1	9	---	Calif., * Mass., Pa.
<i>Citrus</i> sp.....	Cuba.....	1	---	---	Fla.
<i>Parmena balteatus</i> (L.) (Cerambycidae):					
<i>Allium sativum</i> (garlic).....	Italy.....	1	---	---	N.Y.
<i>Paromitus longulus</i> (Dallas) (Lygaeidae):					
Airplane.....	Guatemala.....	---	1	---	Fla.
Bromeliad.....	Honduras.....	---	---	1	Fla.
Orchid.....	Mexico.....	---	---	2	Tex.
<i>Rosa</i> sp. (rose).....	Guatemala.....	1	---	---	Fla.
<i>Pectinophora gossypiella</i> (Saund.) (Gelechiidae):					
<i>Gossypium</i> sp. (cotton; boll).....	Jamaica, Mexico.....	3	1	---	Fla., Tex.
<i>Gossypium</i> sp. (cottonseed).....	Anglo-Egyptian Sudan, Antigua, Cuba, Eleuthera Island, Hawaii, Mexico, Paraguay.....	5	1	1	Calif., * Fla., La., N.J., Tex.
<i>Gossypium</i> sp. (seed cotton).....	Mexico.....	1	5	---	Ariz., Tex.
<i>Hibiscus esculentus</i> (okra).....	Barbados, Dominican Republic, Mexico.....	2	1	---	N.Y., Pa., Tex.

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<i>Pectinophora gossypiella</i> (Saund.) (?) (Gelechiidae):					
Malvaceae seed	Angola			1	D.C.
<i>Pentalonia nigronervosa</i> Coq. (Aphidae):					
Caladium sp.	Trinidad	1			Va.
<i>Pentamerismus oregonensis</i> McG. (Tenuipalpidae):					
<i>Juniperus chinensis</i> (Chinese juniper)	Japan			1	Hawaii.*
<i>Pentodon punctatus</i> Villers (Scarabaeidae):					
Soil with thistle	Italy			1	N.Y.
<i>Perkinsiella saccharicida</i> Kirk. (Delphacidae):					
Airplane	Hawaii		3		Hawaii.
<i>Pheidole megacephala</i> (F.) (Formicidae):					
Ananas comosus (pineapple)	Cuba	5			La., N.Y.
Artocarpus communis (breadfruit)	do.	1			N.Y.
Asplenium sp. (fern)	Palmyra Island		1		Hawaii.
Cajanus cajan (pigeonpea)	Bahamas	1			Fla.
<i>Cordylone terminalis</i> (ti)	Hawaii	1			Hawaii.
Izora sp.	Guam			1	Hawaii.*
Rumex sp. (sorrel)	Panama	1			Fla.
<i>Phelomerus aberrans</i> (Sharp) (Bruchidae):					
Cassia fistula (golden-shower)	Venezuela	1			N.Y.
Cassia sp.	Brazil			1	D.C.
<i>Phenacaspis dendrobii</i> Kuw. (Coccidae) (tentative):					
Dendrobium sp. (orchid)	Singapore			1	Hawaii.
Rhynchosstylis retusa (orchid)	Indonesia			2	Hawaii, Hawaii.*
<i>Phenacoccus gossypii</i> Towns. & Ckll. (Coccidae):					
Lilium sp. (lily)	Bermuda	1			N.Y.
Pelargonium sp. (geranium)	Mexico			1	Calif.
Sechium edule (chayote)	do.			1	Calif.
<i>Phenacoccus hirsutus</i> Green (Coccidae):					
Piper nigrum (black pepper)	Thailand			1	D.C.
<i>Phera centrolineata</i> (Sign.) (Cicadellidae):					
Gladiolus sp.	Mexico	1			Calif.*
<i>Philaenus leucophthalmus</i> (L.) (Cercopidae):					
Soil with fir trees	Canada			1	N.J.
<i>Phloeotribus scarabaeoides</i> (Bern.) (Scolytidae):					
Olea europaea (olive)	Italy	1			N.Y.
<i>Phytectinus callosus</i> Boh. (Curculionidae):					
Vitis sp. (grape)	Union of South Africa	4			N.Y.
<i>Pholiodorforus advena</i> Zimm. (Curculionidae):					
Plumeria sp.	Hawaii			1	Hawaii.
<i>Phyllocnistis citrella</i> Stainton (Gracilariidae):					
Citrus aurantifolia (sour lime)	Philippines		1		Calif.*
<i>Phyllocnistis saligna</i> Zell. (Gracilariidae):					
Citrus sinensis (orange)	Japan		1		Calif.*
<i>Phytomyza rufipes</i> Meig. (Agromyzidae):					
Brassica oleracea acephala (kale)	Sweden		1		Pa.
Brassica oleracea botrytis (cauliflower)	Belgium, England, France, Germany, Netherlands, Poland, Sweden.	29			Fla., Pa., Tex.
Brassica oleracea capitata (cabbage)	England		2		Pa.
Brassica rapa (turnip)	Belgium		1		Pa.
Cichorium endivia (endive)	Belgium, Netherlands	2			N.Y.
Cichorium intybus (chickory)	Belgium	3			N.Y.
<i>Piezodorus rubrofasciatus</i> (F.) (Pentatomidae):					
Airplane	Japan		1		Hawaii.
<i>Pinnaspis buxi</i> (Bouche) (Coccidae):					
Anthurium sp.	Hawaii			1	Hawaii.
<i>Cordylone terminalis</i> (ti)	do.	14		2	Hawaii.
Cordylone sp.	do.	3		2	Calif.,* Hawaii.
Dendrobium sp. (orchid)	New Guinea			1	Hawaii.
Monstera sp.	Hawaii			1	Hawaii.
Neomoorea irrorata (orchid)	Canal Zone			2	Hawaii, Hawaii.*
Philodendron sp.	Costa Rica, Hawaii			2	Fla., Hawaii
Plant—unknown	Japan		1		Calif.*
<i>Pinnaspis caricis</i> Ferris (Coccidae):					
Liriope graminifolia (mondo grass)	Hawaii			1	Hawaii.



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<i>Pinaspis uniloba</i> (Kuw.) (Coccidae):					
Leaf—unknown	Japan	1			Calif.*
<i>Pityogenes chalcographus</i> (L.) (Scolytidae):					
Wooden crate	Belgium, Sweden	2			Fla., Mass.
<i>Plagioderia semirittata</i> Stal (Chrysomelidae):					
Orchid	Mexico		1		Tex.
With orchids and bromeliads	do		1		Ariz.
<i>Plagioderia thymaloides</i> Stal (Chrysomelidae):					
Bromeliaceae	Honduras		1		Calif.*
<i>Laelia anceps</i> (orchid)	Mexico		1		Tex.
Orchid	do		8		Tex.
<i>Planococcus hoznyi</i> Ezzai & McConnell (Coccidae):					
Orchid	Liberia		1		N.Y.
<i>Platynota rostrana</i> (Wlk.) (Tortricidae):					
<i>Capsicum frutescens</i> (pepper)	Cuba	2			Fla., N.Y.
<i>Capsicum frutescens grossum</i> (bell pepper)	do	1			N.Y.
<i>Gossypium</i> sp. (cotton; boll)	Mexico	1			Tex.
<i>Lycopersicon esculentum</i> (tomato)	Dominican Republic	1			Md.
<i>Musa paradisiaca</i> (plantain)	Cuba	1			Fla.
<i>Sechium edule</i> (chayote)	Panama	1			N.Y.
<i>Platypus rugulosus</i> Chap. (Platypodidae):					
<i>Copaifera hemitomophylla</i> ("cativo")	Colombia	3			Ga.
<i>Plusia chalcites</i> (Esp.) (Noctuidae):					
Airplane	Hawaii, Japan		2		Hawaii.
<i>Cordylus terminalis</i> (ti)	Hawaii	1			Hawaii.
" <i>Poliaspis</i> " <i>pini</i> Mask. (Coccidae):					
<i>Pinus pentaphylla</i>	Japan		1		Calif.*
<i>Pinus</i> sp., near <i>densiflora</i>	do		1		Calif.*
<i>Pinus</i> sp. (2-leaved pine)	do		3		Calif.,* Mass.
<i>Pinus</i> sp. (pine)	do		1	1	Calif.,* Pa.
<i>Porphyrobaphis iostoma</i> (Sowerby) (Mollusca):					
<i>Musa paradisiaca sapientum</i> (banana)	Ecuador	6			Calif.,* La., N.Y., Pa.
<i>Prays endocarpa</i> Meyr. (Hyponomeutidae):					
<i>Citrus grandis</i> (pummelo)	Federation of Malaya		1		Calif.*
<i>Prays oleellus</i> (F.) (Hyponomeutidae):					
<i>Olea europaea</i> (olive)	Italy	1			N.Y.
<i>Procryptotermes hubbardi</i> (Banks) (Kalotermitidae):					
<i>Burus</i> sp. (box)	Mexico	1			Ariz.
<i>Prodenia litura</i> (F.) (Noctuidae):					
Airplane	Australia(?), Japan(?), West Pacific		3		Hawaii.
<i>Protactia orientalis</i> (Gory & Perch.) (Scarabaeidae):					
Airplane	Japan		1		Hawaii.
<i>Protopulvinaria pyriformis</i> (Ckll.) (Coccidae):					
<i>Brassica actinifolia</i>	Bahamas		1		N.Y.
<i>Izora</i> sp.	Trinidad		1		Fla.
Leaf—unknown	Barbados	1			Mass.
<i>Schefflera digitata</i>	Bahamas		1		N.Y.
<i>Pseudaonia clavigera</i> (Ckll.) (Coccidae):					
<i>Rhododendron</i> sp. (azalea)	Japan		1		Calif.*
<i>Pseudaonia curculiginis</i> (Green) (Coccidae):					
<i>Cyrtidium atropurpureum</i> (orchid)	Philippines		1		Calif.*
<i>Pseudaonia darutyi</i> (de Charm.) (Coccidae):					
<i>Rauwolfia</i> sp.	New Caledonia	1			D.C.
<i>Pseudaonia paeoniae</i> (Ckll.) (Coccidae):					
<i>Cotoneaster</i> sp.	Japan		2		Hawaii, Hawaii.*
<i>Pseudaonia tessera</i> de Charm. (Coccidae):					
<i>Reinhardtia</i> sp. (palm)	Mexico		1		Tex.
<i>Pseudaonia trilobitiformis</i> Green (Coccidae):					
<i>Citrus aurantifolia</i> (lime)	Bolivia	1			Calif.*
<i>Citrus limon</i> (lemon)	Argentina, Brazil		2		Calif.,* Fla.
<i>Citrus sinensis</i> (orange)	Argentina		1		Calif.*
<i>Izora</i> sp.	Colombia, Trinidad		3		Fla.
Leaf—unknown	Barbados	1			Mass.
<i>Myristica fragrans</i> (nutmeg)	Trinidad		1		Fla.

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<i>Pseudischinaspis alienus</i> (Newst.) (Coccidae):					
<i>Anthurium</i> sp.	Mexico			1	Tex.
<i>Brassavola digbyana</i> (orchid)	Honduras			1	Fla.
<i>Cattleya</i> sp. (orchid)	British Honduras, Honduras, Venezuela.			6	Fla., N.J., Tex.
<i>Epidendrum</i> sp. (orchid)	Salvador			1	Fla.
Orchid	British Honduras, Canal Zone, Costa Rica, El Salvador, Honduras, Mexico, Venezuela.			14	Ariz., Calif., Fla., P.R., Tex.
<i>Schomburgkia</i> sp. (orchid)	Nicaragua			1	Fla.
<i>Pseudischinaspis bowreyi</i> (Ck11.) (Coccidae):					
<i>Agave</i> sp.	Cuba			1	Fla.
<i>Cannabis sativa</i> (hemp)	do			1	N.Y.
<i>Pseudischinaspis longissima</i> (Ck 11.) (Coccidae):					
<i>Mangifera indica</i> (mango)	Nicaragua	1			Calif.*
Orchid	Mexico			1	Ariz.
<i>Pseudococcus azaleae</i> (Tins.) (Coccidae):					
<i>Diospyros kaki</i> (kaki persimmon)	Japan	1			Hawaii.
<i>Pseudococcus citricus</i> (Ezzat & McConnell) (Coccidae):					
<i>Annona</i> sp.	Azores	1			Mass.
<i>Citrus sinensis</i> (orange)	Greece	1			N.Y.
<i>Pilea pubescens</i>	Italy			1	D.C.
<i>Pseudococcus cualatensis</i> (Ck11.) (Coccidae):					
<i>Yucca</i> sp.	Mexico			1	Tex.
<i>Pseudococcus gahani</i> Green (Coccidae):					
<i>Oreopanax</i> sp.	France			1	D.C.
<i>Prunus domestica</i> (plum)	Chile	1			N.Y.
<i>Pyrus communis</i> (pear)	do	1			N.Y.
<i>Rhododendron supranubium</i>	Scotland			1	D.C.
<i>Rhododendron zeylanicum</i>	do			1	D.C.
<i>Schefflera delavayi</i>	France			1	D.C.
<i>Pseudococcus kraunhiae</i> (Kuw.) (Coccidae):					
<i>Diospyros kaki</i> (kaki persimmon)	Japan		1		Hawaii.
<i>Diospyros</i> spp. (persimmon)	do	1			Hawaii.
<i>Pseudococcus tilacinus</i> Ck11. (Coccidae):					
<i>Lansium domesticum</i> (lansat)	Philippines	1			Hawaii.
<i>Lansium</i> sp.	do		1		Hawaii.
<i>Pseudococcus palmarum</i> (Ehrh.) (Coccidae):					
<i>Cocos nucifera</i> (coconut)	Hawaii, Kwajalein	10	1	1	Calif., Hawaii, Wash.
<i>Pseudococcus pandani</i> Ck11. (Coccidae):					
<i>Pandanus</i> sp.	Ponape			1	Hawaii.*
<i>Pseudodiaspis yuccae</i> (Ck11.) (Coccidae):					
Cactus	Mexico			3	Ariz.
<i>Carnegiea gigantea</i> ("pitaya" cactus)	do			1	Ariz.
<i>Pseudoparlatoria ostreata</i> Ck11. (Coccidae):					
<i>Carica papaya</i> (papaya)	Cuba	1			Fla.
<i>Epidendrum</i> sp. (orchid)	Mexico			1	Tex.
<i>Oncidium pulchellum</i> (orchid)	Jamaica			1	Hawaii.
<i>Oncidium</i> sp.	El Salvador			1	Fla.
Orchid	Guatemala, Honduras			2	Fla., Tex.
<i>Pseudothrips glaucus</i> Bagn. (?) (Thripidae):					
<i>Erica albens</i>	Union of South Africa	1			N.Y.
<i>Psylliodes chryscephala</i> (L.) (Chrysomelidae):					
<i>Brassica rapa</i> (turnip)	France		1		Pa.
<i>Pulvinaria camelicola</i> Sign. (Coccidae):					
<i>Camellia japonica</i> (camellia)	England			1	Wash.
<i>Pulvinaria floccifera</i> (Westw.) (Coccidae):					
<i>Camellia sasanqua</i> (sasangua camellia)	Portugal			1	D.C.
<i>Pulvinaria psidii</i> Mask. (Coccidae):					
<i>Bryophyllum</i> sp.	Hawaii			1	Hawaii.
<i>Gardenia augusta</i> (gardenia)	Hawaii, Japan	2			Hawaii.
<i>Litchi chinensis</i> (lychee)	Hawaii	2			Hawaii.
Plant—unknown	do	1			Hawaii.
<i>Sedum</i> sp.	Bermuda			1	Mass.
<i>Pulvinaria urticae</i> Ck11. (Coccidae) (tentative):					
<i>Malpighia puniceifolia</i> (acerola)	Puerto Rico			1	Hawaii.*
<i>Pulvinaria vitis</i> (L.) (Coccidae):					
<i>Acer</i> sp. (maple)	France		1		Ill.
<i>Prunus persica</i> (peach)	Canada			1	N.J.

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<i>Puto mexicanus</i> (Ckll.) (Coccidae):					
<i>Pelargonium</i> sp. (geranium).....	Mexico.....			1	Tex.
<i>Yucca</i> sp.....	do.....			1	Ariz.
<i>Puto ulter</i> Ferris (Coccidae):					
<i>Catleya bowringiana</i> (orchid).....	Guatemala.....			1	Calif.*
<i>Laelia superbiens</i> (orchid).....	do.....			2	Tex.
<i>Lycaste skinneri</i> (orchid).....	do.....			2	Calif.,* Tex.
<i>Odontoglossum grande</i> (orchid).....	do.....			1	Calif.*
<i>Odontoglossum pulchellum</i> .....	do.....			1	Calif.*
Orchid.....	Costa Rica, Guatemala, Mexico.....			5	Fla., Tex.
<i>Pyrausta nubilalis</i> (Hbn.) (Pyraustidae):					
<i>Capsicum frutescens</i> (pepper).....	Israel, Italy.....	1	1		N.Y.
<i>Cucumis sativus</i> (cucumber).....	Italy.....		1		La.
<i>Lycopersicon esculentum</i> (tomato).....	do.....		1		N.Y.
<i>Phaseolus vulgaris</i> var. (string bean).....	Japan.....		2		Calif.,* Wash.
<i>Sorghum vulgare technicum</i> (broomcorn).....	Yugoslavia.....		1		N.Y.
<i>Zea mays</i> (corn).....	Italy.....		1		Calif.*
<i>Pyrophorus nautilius</i> (L.) (Elateridae):					
<i>Saccharum officinarum</i> (sugarcane).....	Cuba.....		1		Fla.
<i>Raglius apicalis</i> (Dallas) (Lygaeidae):					
<i>Vitis</i> sp. (grape).....	Union of South Africa.....		1		N.Y.
<i>Reticulitermes flavipes</i> (Kollar) (Rhinotermitidae):					
Wooden box.....	Mexico.....		1		Tex.
<i>Reticulitermes tibialis</i> Banks (Rhinotermitidae):					
Cactus.....	do.....			1	Ariz.
<i>Rhagoletis cerasi</i> (Loew) (Tephritidae):					
<i>Prunus</i> sp. (cherry).....	Azores, Belgium, France, Germany, Italy, Portugal, Spain, Switzerland, unknown.....	8	22		Ill., La., Mass., Mich., N.Y.
<i>Rhagoletis juglandis</i> Cress. (Tephritidae):					
<i>Juglans nigra</i> (black walnut).....	Mexico.....		1		Tex.
<i>Rhinochenus stigma</i> (L.) (Curculionidae):					
<i>Hymenaea courbaril</i> (courbaril).....	Panama.....		1		Fla.
<i>Rhinostomus barbirostris</i> (F.) (Curculionidae):					
<i>Cocos nucifera</i> (coconut).....	Honduras.....		2		La.
<i>Rhoeocoris sulcirostris</i> (Stal) (?) (Pentatomidae):					
<i>Gladicus</i> sp.....	Australia.....		1		Hawaii.
<i>Rhopalosiphum crataegellum</i> Theob. (Aphidae):					
<i>Malus</i> sp. (apple).....	Netherlands.....			1	N.J.
<i>Rhopalosiphum rufiabdominalis</i> (Sasaki) (Aphidae):					
Orchid.....	Mexico.....			1	Tex.
<i>Ribua innozia</i> Hein. (Phycitidae):					
<i>Ananas comosus</i> (pineapple).....	Cuba, Dominican Republic.....	21			Fla., La., N.Y.
<i>Ripersiella palastiniae</i> Hambl. (Coccidae):					
<i>Lilium</i> sp. (lily).....	Greece.....			1	N.Y.
<i>Rupela tinella</i> (Wlk.) (Schoenobiidae):					
Airplane.....	Venezuela.....		1		Fla.
<i>Scelopostethus decoratus</i> (Hahn) (Lygaeidae):					
<i>Calluna vulgaris</i> (heather).....	Scotland.....			1	N.Y.
<i>Selenothrips rubrocinctus</i> (Giard) (Thripidae):					
<i>Mangifera indica</i> (mango).....	Puerto Rico.....			1	P.R.
<i>Sinorhizon anale</i> Lesne (Bostrichidae):					
Wooden crate.....	India.....		1		N.Y.
<i>Sinorhizon conigerum</i> Gerst. (Bostrichidae):					
Airplane.....	Hawaii.....			1	Hawaii.
Wood.....	India.....		1		Ala.
<i>Siphantia acuta</i> (Wlk.) (Flatidae):					
Flowers.....	Hawaii.....		1		Hawaii.
<i>Vanda jorquimiae</i> (orchid).....	do.....		1		Hawaii.
<i>Vanda</i> sp.....	do.....		1		Calif.*
<i>Sitona lineata</i> (L.) (Curculionidae):					
Moss.....	Netherlands.....			1	N.J.
<i>Spantoneura fonscolombei</i> Foerst. (Psyllidae):					
<i>Buzus semperirens</i> (box).....	Italy.....			1	D.C.
<i>Spermophagus sericeus</i> Geoffr. (?) (Bruchidae):					
<i>Ipomoea tricolor</i> (tricolor morning-glory).....	do.....			1	D.C.



Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued  
[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Stator limbatus</i> Horn (Bruchidae): <i>Plutellolobium brevifolium</i> .....	Mexico.....	---	---	1	D.C.
<i>Stator pruininus</i> (Horn) (Bruchidae): <i>Acacia</i> sp.....	do.....	---	---	1	Tex.
<i>Stenotarsonemus laticeps</i> (Halb.) (Tarsonemidae): <i>Narcissus</i> 'Osterfreude'	Germany.....	---	---	1	N.J.
<i>Narcissus</i> sp.....	England.....	---	---	1	N.J.
<i>Stenoma catenifer</i> Wism. (Stenomidae): <i>Persea americana</i> (avocado).....	Brazil, Colombia, Ecuador, El Salvador, Guatemala, Mexico, Nicaragua, Panama, Peru, Venezuela.	21	6	---	Ala., Calif.,* Fla., La., Pa., Tex.
<i>Stenoma decora</i> (Zell.) (Stenomidae): <i>Theobroma cacao</i> (cacao).....	Trinidad.....	---	1	---	Ala.
<i>Stenoptilia stigmatodactyla</i> Zell. (Pterophoridae): <i>Gentiana</i> sp.....	Switzerland.....	1	---	---	N.Y.
<i>Stephanitis nashi</i> Esaki and Takeya (Tingidae): <i>Camellia sasanqua</i> (sasanqua camellia)	Japan.....	---	---	1	D.C.
<i>Stephanitis pyrioides</i> Scott (Tingidae): <i>Rhododendron</i> sp. (azalea).....	do.....	---	---	1	Wash.
<i>Stephanoderes hampei</i> (Ferr.) (Scolytidae): <i>Coffea</i> sp. (coffee).....	Brazil, Egypt, India.....	3	2	---	Fla., N.Y., Tex., Va.
<i>Sternonchus mangiferae</i> (F.) (Curculionidae): <i>Mangifera indica</i> (mango).....	Eniwetok(?), Guam, Hawaii, Philippines, Vietnam.	82	25	11	Calif.,* Ga., Hawaii, Tex.
<i>Mangifera</i> sp.....	Australia.....	---	---	1	Hawaii.
<i>Stoeberhinus testaceus</i> Butl. (Gelechiidae): Airplane.....	Philippines.....	---	1	---	Hawaii.
<i>Syngrius fulvitaris</i> Pascoe (Curculionidae): Pollage.....	Hawaii.....	1	---	---	Hawaii.
<i>Sybra alternans</i> (Wied.) (Cerambycidae): <i>Bougainvillea</i> sp.....	do.....	1	---	---	Hawaii.
Clothing.....	do.....	1	---	---	Hawaii.
<i>Cordylone terminalis</i> (ti).....	do.....	---	---	1	Hawaii.
<i>Leucaena glauca</i> .....	do.....	1	---	---	Hawaii.
<i>Macadamia</i> sp.....	do.....	1	---	---	Hawaii.
<i>Momordica</i> sp.....	do.....	1	---	---	Hawaii.
<i>Operculina tuberosa</i> (wood-rose).....	do.....	2	---	---	Hawaii.
Paper.....	do.....	1	---	---	Hawaii.
<i>Syngrus diffundens</i> (Wlk.) (Noctuidae): Soll samples.....	Mexico.....	1	---	---	Ariz.
<i>Systole geniculata</i> Foerster (Eurytomidae): Seeds—unknown.....	Dominican Republic.....	---	---	1	Fla.
<i>Taeniothrips atratus</i> (Hal.) (Thripidae): <i>Aster</i> sp.....	France.....	1	---	---	N.Y.
<i>Calluna vulgaris</i> (heather).....	England, Scotland.....	3	---	---	Ill., N.Y.
<i>Dahlia</i> sp.....	Germany.....	1	---	---	Mieh.
Flowers.....	England, Netherlands.....	2	---	---	Mass., N.Y.
<i>Lathyrus odoratus</i> (sweetpeas).....	Unknown.....	---	1	---	Mass.
<i>Taeniothrips dianthi</i> Pr. (Thripidae): <i>Dianthus caryophyllus</i> (carnation).....	Germany.....	1	---	---	Mass.
<i>Taeniothrips ericae</i> (Hal.) (Thripidae): <i>Calluna vulgaris</i> (heather).....	Canada, Germany, Scotland.....	5	---	1	N.Y., Wash.
<i>Taeniothrips gracilis</i> Mlt. (Thripidae): <i>Lycoris squamigera</i> (autumn lycoris).....	Japan.....	---	---	1	Calif.*
<i>Lycoris</i> sp.....	do.....	---	---	9	Calif.,* N.J., N.Y.
<i>Tulipa</i> sp.....	do.....	---	---	1	N.Y.
<i>Taeniothrips hawaiiensis</i> (Morg.) (Thripidae): <i>Chrysanthemum</i> sp.....	do.....	1	1	---	Hawaii.
<i>Dianthus caryophyllus</i> (carnation).....	do.....	1	---	---	Hawaii.
<i>Gardenia augusta</i> (gardenia).....	Hawaii.....	23	---	---	Hawaii.
<i>Lilium longiflorum</i> (Easter lily).....	Japan.....	1	---	---	Hawaii.
<i>Plumeria acuminata</i> (Mexican frangipani).....	Hawaii.....	1	---	---	Hawaii.
<i>Plumeria</i> sp.....	do.....	3	---	---	Hawaii.
<i>Taeniothrips picipes</i> (Zett.) (Thripidae): <i>Gentiana</i> sp. (gentian).....	Switzerland.....	1	---	---	N.Y.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued  
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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Talponia batesi</i> Hein. (Olethreutidae):					
<i>Annonia cherimola</i> (cherimoya).....	Mexico.....	3			Tex.
" <i>Targionia</i> " <i>bromiliae</i> (Leon.) (Coccidae):					
<i>Ananas comosus</i> (pineapple).....	Mexico, Ponape.....	1	1		Hawaii, Tex.
" <i>Targionia</i> " <i>hartii</i> (Ckll.) (Coccidae):					
<i>Dioscorea</i> sp. (yam).....	British West Indies, St. Kitts.	3			Calif.,* N.Y.
<i>Targionia laurina</i> Ldgr. (Coccidae):					
<i>Apollonias carniariensis</i> .....	Portugal.....			1	D.C.
<i>Tenthecoris angustimarginatus</i> Hsiao & Sailer (Miridae):					
<i>Epidendrum fragrans</i> (orchid).....	Mexico.....			1	Tex.
<i>Tenthecoris bicolor</i> Scott (Miridae):					
<i>Odontoglossum</i> sp. (orchid).....	Guatemala.....			1	Fla.
Orchid.....	Mexico.....			7	Tex.
<i>Philodendron</i> sp.....	do.....			1	Tex.
<i>Tenthecoris confusus</i> Hsiao & Sailer (Miridae):					
<i>Oncidium</i> sp. (orchid).....	Guatemala.....			1	Fla.
Orchid.....	Costa Rica, Guatemala, Mexico.			14	Calif.,* Fla., Tex.
<i>Tenthecoris distinguendus</i> Hsiao & Sailer (Miridae):					
<i>Epidendrum radicans</i> (orchid).....	Canal Zone, Costa Rica.....			2	Fla.
<i>Epidendrum</i> sp.....	Panama.....			1	Fla.
Orchid.....	Canal Zone.....			2	Fla.
<i>Tenthecoris vestitus</i> (Dist.) (Miridae):					
<i>Oncidium splendidum</i> (orchid).....	Honduras.....			1	Fla.
Orchid.....	Guatemala.....			1	Fla.
<i>Tenuipalpus pacificus</i> Baker (Tenuipalpidae):					
Orchid.....	Philippines.....			1	Hawaii.*
<i>Tetraleurodes acaciae</i> (Q.) (Aleyrodidae):					
<i>Bauhinia</i> sp.....	Mexico.....			1	Tex.
Leaf—unknown.....	Mexico(?).....			1	Tex.
Plant—unknown.....	Mexico.....	1			Tex.
<i>Tetraleurodes ursorum</i> (Ckll.) (Aleyrodidae):					
<i>Citrus sinensis</i> (orange).....	do.....	1			Tex.
<i>Citrus</i> sp.....	do.....	7			Tex.
Leaf—unknown.....	do.....	1			Tex.
Plant—unknown.....	do.....	1			Tex.
<i>Rosa</i> sp. (rose).....	do.....	1			Tex.
<i>Tetranychus cinnabarinus</i> (Bois.) (Tetranychidae):					
<i>Iodina rhombifolia</i> .....	Monaco.....			1	D.C.
<i>Tetranychus cucurbitae</i> R. & P. (Tetranychidae):					
<i>Acalypha</i> sp.....	Jamaica.....			1	Fla.
<i>Tetranychus desertorum</i> Banks (Tetranychidae):					
<i>Cordia</i> sp.....	Mexico.....	1			Tex.
Soil with oxalis plants.....	do.....			1	Ariz.
<i>Tetranychus lobosus</i> Boudreaux (Tetranychidae):					
<i>Rosa</i> sp.....	do.....			1	Tex.
<i>Tetranychus tumidus</i> Banks (Tetranychidae):					
Plant—unknown.....	Cuba.....	1			Fla.
<i>Tezananus spatulatus</i> (Van D.) (Cicadellidae):					
<i>Cucumis melo cantalupensis</i> (cantaloupe).....	Mexico.....	1			Ariz.
<i>Theba pisana</i> (Muller) (Mollusca):					
Conex box.....	Morocco, Spain.....	2			N.Y.
Cargo—general.....	Mediterranean region, Morocco.	2			La.
Military cargo.....	Libya, Morocco.....	25			Ala., La., Mass., N.Y., S.C.
Packing case.....	Morocco.....	1			N.Y.
<i>Petroselinum crispum</i> (parsley).....	Spain.....			1	Pa.
Wooden crate.....	Morocco.....	2			Ala.
<i>Thecla ziba</i> Hew. (Lycaenidae):					
<i>Ananas comosus</i> (pineapple).....	Mexico.....	1			Tex.
<i>Strelitzia</i> sp.....	Colombia.....	1			N.Y.
<i>Thrips angusticeps</i> Uzel (Thripidae):					
<i>Lactuca sativa</i> (lettuce).....	Portugal.....			1	Mass.
<i>Thrips flavus</i> Schrank (Thripidae):					
<i>Anemone</i> sp.....	England.....			1	N.Y.
<i>Antirrhinum</i> sp.....	Germany.....	1			Pa.
<i>Bellis</i> sp.....	do.....	1			Pa.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued  
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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Thrips flavus</i> Schrank (Thripidae)—Con.					
<i>Chrysanthemum</i> sp. ....	Germany .....	1			Ill.
Flowers .....	England .....	2	1		Mass., N.Y.
<i>Lathyrus odoratus</i> (sweetpea) .....	Germany .....	1	1		Ill.
<i>Pollianthes tuberosa</i> (tuberose) .....	do .....	1			Ill.
<i>Thrips fuscipennis</i> (Hal.) (Thripidae):					
<i>Rosa</i> sp. (rose) .....	England .....		1		Mass.
<i>Thrips imuginis</i> Bgn. (Thripidae):					
<i>Chrysanthemum</i> sp. ....	Australia .....	1			Hawaii.
<i>Delphinium</i> sp. (larkspur) .....	do .....	1			Hawaii.
<i>Nymphaea</i> sp. (waterlily) .....	do .....	1			Hawaii.
<i>Thrips major</i> Uzel (Thripidae):					
<i>Aster</i> sp. ....	France .....	1			N.Y.
<i>Calluna vulgaris</i> (heather) .....	Germany, Netherlands .....	2			N.Y.
Flowers .....	England, Ireland .....	4	1		Mass., N.Y.
<i>Lathyrus odoratus</i> (sweetpea) .....	Germany .....	1			Ill.
<i>Olinia cymosa</i> .....	Italy .....		1		D.C.
<i>Potentilla</i> sp. ....	Scotland .....		1		D.C.
<i>Rosa</i> sp. (rose) .....	England .....	1			Mass.
<i>Thyanta antiquensis</i> (Westw.) (Pentatomidae):					
Automobile .....	Mexico .....		1		Tex.
<i>Trialeurodes abutilonea</i> (Hald.) (Aleyrodidae):					
<i>Althaea</i> sp. (hollyhock) .....	do .....	1			Ariz.
<i>Ruta graveolens</i> (rue) .....	do .....	3			Tex.
<i>Trialeurodes lauri</i> (Sign.) (Aleyrodidae):					
<i>Eugenia</i> sp.(?) .....	Italy .....		1		Ill.
<i>Laurus nobilis</i> (Greek laurel) .....	do .....		2		N.Y.
<i>Laurus</i> sp.(?) .....	do .....	1			Ill.
<i>Trialeurodes similis</i> Rsl. (Aleyrodidae):					
<i>Rutaceae</i> (?) .....	Mexico .....	1			Tex.
<i>Turnera diffusa</i> .....	do .....	1			D.C.
<i>Trialeurodes tabaci</i> Bondar (Aleyrodidae):					
<i>Ozalis</i> sp. ....	Brazil .....		1		Fla.
<i>Trialeurodes tephrosiae</i> Rsl. (Aleyrodidae):					
<i>Tunera diffusa</i> .....	Mexico .....	1			D.C.
<i>Trialeurodes variabilis</i> (Q.) (Aleyrodidae):					
Leaf—unknown .....	do .....	1			Tex.
<i>Trialeurodes vitrinellus</i> Ckll. (Aleyrodidae):					
<i>Citrus</i> sp. ....	do .....	4			Ariz., Tex.
<i>Trionymus lounsburyi</i> (Brain) (Coccidae):					
<i>Amaryllis</i> sp. ....	Unknown .....		1		Tex.
<i>Trionymus sacchari</i> (Ckll.) (Coccidae):					
<i>Saccharum officinarum</i> (sugarcane) .....	Dominican Republic, Puerto Rico .....	1	1		N.Y., Tex.
<i>Trogoderma glabrum</i> (Hbst.) (Dermestidae):					
Grain .....	Mexico .....	1	4		Ariz., Tex.
Railway car .....	do .....		3		Ariz., Tex.
<i>Triticum aestivum</i> (wheat) .....	do .....		7		Tex.
<i>Trogoderma granarium</i> Everts (Dermestidae):					
<i>Arachis hypogaea</i> (peanut) .....	Portugal .....	1			N.Y.
Bagging .....	India, Netherlands .....	5	1		Tex.
Bean—dry .....	Netherlands .....	1			Tex.
Flour .....	England, Netherlands .....		5		Fla., Tex.
<i>Oryza sativa</i> (rice) .....	Brazil, China, Formosa, unknown .....	15			Ala., Md., Pa., Va.
<i>Prunus persica</i> (peach) .....	Unknown .....		1		Ga.
Stores—dry .....	do .....		1		La.
<i>Triticum aestivum</i> (wheat) .....	Italy, Mexico, Union of South Africa .....	1	2		Calif., Tex., Va.
Unknown .....	India, unknown .....	2	1		Ill., La.
<i>Trogoderma inclusum</i> LeConte (Dermestidae):					
Birds—stuffed .....	Greece .....	1			N.Y.
Railway car .....	Mexico .....		1		Tex.
<i>Triticum aestivum</i> (wheat) .....	do .....		1		Tex.
<i>Trogoderma insulare</i> Chev. (Dermestidae):					
Bean .....	Hawaii .....	1			Hawaii.
<i>Trogoderma parabile</i> Beal (Dermestidae):					
<i>Agaricus campestris</i> (mushroom) .....	Mexico .....	1			Calif.
Bran .....	do .....	1			Ariz.
<i>Crataegus</i> sp. (hawthorn) .....	do .....	1			Ariz.
Feed—mixed .....	do .....	1			Ariz.
Flour sacks .....	do .....		1		Ariz.
Grits .....	Unknown .....		1		Tex.



Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Trogoderma parabile</i> Beal (Dermeestidae)—Con. Package	Mexico	1			Tex.
<i>Prunus amygdalus</i> (almond)	do			1	Tex.
<i>Trogoderma parabile</i> Beal(?) (Dermeestidae): Bamboo	Japan	1			Pa.
<i>Trogoderma sternale</i> Jayne ssp. (Dermeestidae): Airplane	Mexico, Panama		2		Fla., Tex.
<i>Tyrophagus infestans</i> (Berl.) (Acaridae):					
<i>Armoracia rusticana</i> (horseradish)	Argentina	1			Mass.
<i>Beta vulgaris</i> (beet)	Ceylon	1			Mass.
<i>Solanum tuberosum</i> (potato)	Belgium, Netherlands	3			Fla.
<i>Zingiber officinale</i> (ginger)	French West Africa	1			Mass.
<i>Unaspis citri</i> (Comst.) (Coccidae):					
<i>Citrus limon</i> (lemon)	Fiji Islands	1			Calif.*
<i>Citrus paradisi</i> (grapefruit)	Canal Zone, Cuba, Jamaica, Mexico, Panama	5			Calif.*
<i>Citrus sinensis</i> (orange)	Canal Zone, Peru		2		Calif.*
<i>Unaspis yanonensis</i> (Kuw.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)	Japan	2			Calif.*
<i>Citrus aurantifolia</i> (sour lime)	do		3		Calif.*
<i>Citrus aurantium</i> (sour orange)	do		15		Calif.,* Hawaii, Pa.
<i>Citrus limon</i> (lemon)	Japan, unknown		13		Calif.,*
<i>Citrus paradisi</i> (grapefruit)	Japan	1	8		Calif.,* Hawaii.
<i>Citrus reticulata</i> (Mandarin orange)	Hong Kong(?), Japan	34	147		Calif.,* Hawaii, Wash.
<i>Citrus sinensis</i> (orange)	China, Japan	7	129		Calif.,* Hawaii, Pa.
<i>Citrus</i> sp.	Japan	1	4		Calif.,* Hawaii.
<i>Fortunella japonica</i> (kumquat)	do		1		Calif.*
<i>Vallonia pulchella</i> (Muller) (Mollusca):					
With carnation, chrysanthemum, and geranium plants.	Argentina			1	Fla.
<i>Vilga dissimilis</i> Dist. (Coreidae):					
Orchid	Canal Zone			1	Fla.
<i>Vinsonia stellifera</i> (Westw.) (Coccidae):					
<i>Brassola</i> sp. (orchid)	Jamaica		1		N.J.
<i>Brassia caudata</i> (orchid)	Canal Zone		2		Calif.,* Fla.
<i>Brassia</i> sp.	Canal Zone, Trinidad		7		Fla., Hawaii.*
<i>Broughtonia</i> sp. (orchid)	Jamaica		4		Fla.
<i>Catleya granulosa</i> (orchid)	Brazil		1		Calif.*
<i>Catleya guttata</i>	do		1		Fla.
<i>Catleya skinneri</i>	Panama		1		Calif.
<i>Catleya</i> sp.	American Virgin Islands, British Guiana, British Honduras		3		Fla., N.J.
<i>Epidendrum</i> sp. (orchid)	Canal Zone, Cuba		3		Calif.,* Fla.
<i>Heliconia</i> sp.	Canal Zone		1		Calif.*
<i>Monstera</i> sp.	do		1		Calif.*
<i>Oncidium</i> sp. (orchid)	British Guiana, Canal Zone, Jamaica, Panama		5		Fla., N.J.
Orchid	American Virgin Islands, Antigua, Brazil, British Honduras, Canal Zone, Cuba, El Salvador, Guatemala, Panama, Trinidad		22		Calif.,* Fla., Tex.
<i>Phajus</i> sp.(?) (orchid)	British Guiana		1		N.J.
<i>Trigonidium egertonianum</i> (orchid)	British Honduras		1		Fla.
<i>Zeadiatraea lineolata</i> (Wlk.) (Crambidae):					
<i>Zea mays</i> (corn)	Cuba	1			Fla.
<i>Zonitoides arboreus</i> (Say) (Mollusca):					
<i>Brassia laurenceana</i> (orchid)	Canada		1		Hawaii.*
<i>Cymbidium</i> sp. (orchid)	Australia		1		Calif.*
<i>Oeontella polystachys</i> (orchid)	England		1		D.C.
Orchid	Mexico, Panama		3		Fla., Tex.
<i>Vanda</i> sp. (orchid)	Hawaii		1		Hawaii.

## Hosts and Insects

## ABIES:

- Blastophagus piniperda* (Coleoptera)  
*Chermes piceae* (Homoptera)

## ACACIA:

- Mimosstes sallaei* (Coleoptera)  
*Stator pruininus* (Coleoptera)

## ACALYPHA:

- Tetranychus cucurbitae* (Acarina)

## ACER:

- Aceria macrochelus* (Acarina)  
*Hypera punctata* (Coleoptera)  
*Lecanium coryli* (Homoptera)  
*Pulvinaria vitis* (Homoptera)

## ADENANTHERA:

- Ectomyelois ceratoniae* (Lepidoptera)

## AGRICUS:

- Trogoderma parabile* (Coleoptera)

## AGAVE:

- Batrachedra linaria* (Lepidoptera)  
*Gymnococcus agavium* (Homoptera)  
*Lepidosaphes philococcus* (Homoptera)  
*Ozophora consanguineus* (Hemiptera)  
*Pseudischnaspis boureyi* (Homoptera)

## ALLIUM CEPA:

- Lygaeus albo-ornatus* (Hemiptera)

## ALLIUM PORRUM:

- Acrolepia assectella* (Lepidoptera)  
*Deroceras reticulatum* (Mollusca)

## ALLIUM SATIVUM:

- Aceria tulipae* (Acarina)  
*Brachycerus albidentatus* (Coleoptera)  
*Brachycerus alpinus* (Coleoptera)  
*Deloyala guttata* (Coleoptera)  
*Dyspessa ulula* (Lepidoptera)  
*Frankliniella tenuicornis* (Thysanoptera)  
*Parmena balteatus* (Coleoptera)

## ALOCASIA:

- Brevipalpus phoenicis* (Acarina)

## ALPINIA:

- Bradybaena similis* (Mollusca)  
*Ceroplastes rubens* (Homoptera)  
*Orchidophilus aterrimus* (Coleoptera)  
*Oxydema fusiforme* (Coleoptera)

## ALTHAEA:

- Trialeurodes abutilonea* (Homoptera)

## ALYXIA:

- Ceroplastes rubens* (Homoptera)

## AMARYLLIS:

- Trionymus lounsburyi* (Homoptera)

## AMBROSIA:

- Pachyzancla bipunctalis* (?) (Lepidoptera)

## ANANAS:

- Dysdercus mimus* (Hemiptera)  
*Eutheola bidentata* (Coleoptera)  
*Noropsis hieroglyphica* (Lepidoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Ribua innoxia* (Lepidoptera)  
 "Targionia" bromiliae (Homoptera)  
*Thecla zebra* (Lepidoptera)

## ANEMONE:

- Thrips flavus* (Thysanoptera)

## ANNONA:

- Cerconota anonella* (Lepidoptera)  
*Irdomyrmex humilis* (Hymenoptera)  
*Pseudococcus citricus* (Homoptera)  
*Talponia batesi* (Lepidoptera)

## ANTHURIUM:

- Bradybaena similis* (Mollusca)  
*Ceroplastes rubens* (Homoptera)  
*Chrysomphalus albopictus* (Homoptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Lepidosaphes tokionis* (Homoptera)  
*Orchidophilus aterrimus* (Coleoptera)  
*Pinnaspis buxi* (Homoptera)  
*Pseudischnaspis alienus* (Homoptera)

## ANTIRRHINUM:

- Haplothrips gowdeyi* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)

## APIUM:

- Deroceras reticulatum* (Mollusca)  
*Euleia heraclei* (?) (Diptera)

## APOLLONIAS:

- Targionia laurina* (Homoptera)

## APONOGETON:

- Monomorium destructor* (Hymenoptera)

## ARACHIS:

- Caryedon fuscus* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## ARALIA:

- Coccus viridis* (Homoptera)

## ARMERIA:

- Helix aspersa* (Mollusca)

## ARMORACIA:

- Tyrophagus infestans* (Acarina)

## ARTOCARPUS:

- Pheidole megacephala* (Hymenoptera)

## ASCOCENTRUM:

- Parlatoria proteus* (Homoptera)

## ASPLENIUM:

- Pheidole megacephala* (Hymenoptera)

## ASTER:

- Taeniothrips atratus* (Thysanoptera)  
*Thrips major* (Thysanoptera)

## BAMBOO:

- Asterolecanium bambusae* (Homoptera)  
*Asterolecanium miliaris* (Homoptera)  
*Asterolecanium miliaris miliaris* (Homoptera)  
*Asterolecanium miliaris robustum* (Homoptera)  
*Lyctoxylon japonum* (Coleoptera)  
*Lyctus africanus* (Coleoptera)  
*Trogoderma parabile* (?) (Coleoptera)

## BAMBUSA:

- Aspidiotus destructor* (Homoptera)

## BAUHINIA:

- Tetraleurodes acaciae* (Homoptera)

## BELLIS:

- Thrips flavus* (Thysanoptera)

## BETA:

- Gnorimoschema ocellatella* (Lepidoptera)  
*Tyrophagus infestans* (Acarina)

## BETULA:

- Arge pullata* (Hymenoptera)

## BOUGAINVILLEA:

- Sybra alternans* (Coleoptera)

## BRASSAIA:

- Protopulvinaria pyriformis* (Homoptera)

## BRASSA VOLA:

- Conchaspis orchidarum* (Homoptera)  
*Furcaspis bifurmis* (Homoptera)  
*Pseudischnaspis alienus* (Homoptera)  
*Vinsonia stellifera* (Homoptera)

*Hosts and Insects—Continued***BRASSIA:**

*Leucaspis cockerelli* (Homoptera)  
*Vinsonia stellifera* (Homoptera)  
*Zonitoides arboreus* (Mollusca)

**BRASSICA CHINENSIS:**

*Barathra brassicae* (Lepidoptera)  
*Deroceras reticulatum* (Mollusca)  
*Nezara viridula* (Hemiptera)

**BRASSICA OLERACEA ACEPTALA:**

*Phytomyza rufipes* (Diptera)

**BRASSICA OLERACEA BOTRYTIS:**

*Deroceras reticulatum* (Mollusca)  
*Phytomyza rufipes* (Diptera)

**BRASSICA OLERACEA CAPITATA:**

*Deroceras reticulatum* (Mollusca)  
*Mamestra brassicae* (Lepidoptera)  
*Phytomyza rufipes* (Diptera)

**BRASSICA PEKINENSIS:**

*Barathra brassicae* (Lepidoptera)

**BRASSICA RAPA:**

*Acalymma trivittata* (Coleoptera)  
*Acrolepia assectella* (Lepidoptera)  
*Deroceras reticulatum* (Mollusca)  
*Hellula undalis* (Lepidoptera)  
*Limax marginatus* (Mollusca)  
*Phytomyza rufipes* (Diptera)  
*Psylliodes chrysocephala* (Coleoptera)

**BROMELIACEAE:**

*Plagioderma thymaloides* (Coleoptera)

**BROMELIAD:**

*Calligrapha labyrinthica* (Coleoptera)  
*Cryphula apicatus* (Hemiptera)  
*Diabrotica porracea* (Coleoptera)  
*Furcaspis biformis* (Homoptera)  
*Galgupha punctifer* (Hemiptera)  
*Galgupha quadrivignata* (Hemiptera)  
*Limax marginatus* (Mollusca)  
*Nasutitermes corniger* (Isoptera)  
*Ogdoecosta catenulata* (Coleoptera)  
*Paromitus longulus* (Hemiptera)

**BROMUS:**

*Luzulaspis kondarensis* (Homoptera)

**BROUGHTONIA:**

*Asterolecanium epidendri* (Homoptera)  
*Chrysomphalus odontoglossi* (Homoptera)  
*Leucaspis cockerelli* (Homoptera)  
*Vinsonia stellifera* (Homoptera)

**BRYOPHYLLUM:**

*Deroceras reticulatum* (Mollusca)  
*Pulvinaria psidii* (Homoptera)

**BUXUS:**

*Cenopalpus pulcher* (Acarina)  
*Chionaspis salicis* (Homoptera)  
*Eriophyes canestrinii* (Acarina)  
*Parlatoria camelliae* (Homoptera)  
*Procryptotermes hubbardi* (Isoptera)  
*Spanioneura fonscolombei* (Homoptera)

**CACTUS:**

*Amitermes wheeleri* (Isoptera)  
*Ceratitis capitata* (Diptera)  
*Lepidosaphes philococcus* (Homoptera)  
*Pseudodiaspis yuccae* (Homoptera)  
*Reticulitermes tibialis* (Isoptera)

**CAJANUS:**

*Acanthoscelides armitagei* (Coleoptera)  
*Ancylostoma stercorea* (Lepidoptera)  
*Chalcodermus aeneus* (Coleoptera)  
*Fundella pellucens* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Pheidole megacephala* (Hymenoptera)

**CALADIUM:**

*Pentalonia nigronerrosa* (Homoptera)

**CALLUNA:**

*Frankliniella intonsa* (Thysanoptera)  
*Gelechia ericetella* (Lepidoptera)  
*Micrelus ericae* (Coleoptera)  
*Scolopostethus decoratus* (Hemiptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Taeniothrips ericae* (Thysanoptera)  
*Thrips major* (Thysanoptera)

**CALOCARPUM:**

*Anastrepha ludens* (Diptera)  
*Anastrepha serpentina* (Diptera)

**CALOPHYLLUM:**

*Dacus dorsalis* (Diptera)

**CAMELLIA:**

*Aleurotrachelus camelliae* (Homoptera)  
*Aspidiotus degeneratus* (Homoptera)  
*Aspidiotus destructor* (Homoptera)  
*Ceroplastes rubens* (Homoptera)  
*Fiorinia theae* (Homoptera)  
*Lepidosaphes kamakurenensis* (Homoptera)  
*Parlatoria camelliae* (Homoptera)  
*Pulvinaria camelicola* (Homoptera)  
*Pulvinaria floccifera* (Homoptera)  
*Stephanitis nashi* (Hemiptera)

**CANAVALIA:**

*Lampides boeticus* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)

**CANNABIS:**

*Pseudischchnaspis bowreyi* (Homoptera)

**CAPSICUM:**

*Ceratitis capitata* (?) (Diptera)  
*Faustinus cubae* (Coleoptera)  
*C. norimoschema guamannella* (Lepidoptera)  
*Ligyrocoris aurivilliana* (Hemiptera)  
*Nezara viridula* (Hemiptera)  
*Pachyzancla periusalis* (Lepidoptera)  
*Playnota rostrana* (Lepidoptera)  
*Pyrausta nubilalis* (Lepidoptera)

**CARICA:**

*Pseudoparlatoria ostreata* (Homoptera)

**CARNEGIEA:**

*Pseudodiaspis yuccae* (Homoptera)

**CASSIA:**

*Aganactesis indecora* (Lepidoptera)  
*Caryedon fuscus* (Coleoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Phelomerus aberrans* (Coleoptera)

**CASTANEA:**

*Curculio elephas* (Coleoptera)  
*Hemimene juliana* (Lepidoptera)  
*Laspeyresia splendana* (Lepidoptera)

**CATTLEA:**

*Asterolecanium epidendri* (Homoptera)  
*Chrysomphalus tenax* (Homoptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Furcaspis biformis* (Homoptera)  
*Pseudischchnaspis alienus* (Homoptera)  
*Puto uller* (Homoptera)  
*Vinsonia stellifera* (Homoptera)

**CENTAUREA:**

*Frankliniella panamensis* (Thysanoptera)

**CERATONIA:**

*Aspidiotus aharonii* (Homoptera)  
*Neodryocetes guianae* (Coleoptera)

**CHAENOMALES:**

*Ceroplastes japonicus* (Homoptera)



## Hosts and Insects—Continued

## CHAMAEDOREA:

- Chrysomphalus albopictus* (Homoptera)
- Chrysomphalus sphaeroides* (Homoptera)
- Dinaspis aculeata* (Homoptera)
- Eugeraeus unifasciatus* (?) (Coleoptera)
- Lycophotia ornea* (Lepidoptera)

## CHRYSANTHEMUM:

- Blissus pulchellus* (Hemiptera)
- Bryobia cristata* (Acarina)
- Conotelus mexicanus* (Coleoptera)
- Euschistus servus* (Hemiptera)
- Frankliniella formosae* (Thysanoptera)
- Frankliniella schultzei* (Thysanoptera)
- Taeniothrips hawaiiensis* (Thysanoptera)
- Thrips flavius* (Thysanoptera)
- Thrips imaginis* (Thysanoptera)

## CICER:

- Bruchus tristis* (Coleoptera)

## CICHORIUM:

- Helix aspersa* (Mollusca)
- Lygus gemellatus* (Hemiptera)
- Phytomyza rufipes* (Diptera)

## CINNAMOMUM:

- Aspidiotus palmarum* (Homoptera)

## CITRUS AURANTIFOLIA:

- Aleurocanthus woglumi* (Homoptera)
- Anastrepha ludens* (Diptera)
- Ceratitidis capitata* (?) (Diptera)
- Leucaspis cockerelli* (Homoptera)
- Parlatoria cinerea* (Homoptera)
- Parlatoria zizyphus* (Homoptera)
- Phyllocnistis citrella* (Lepidoptera)
- Pseudonidia trilobitiformis* (Homoptera)
- Unaspis yanonensis* (Homoptera)

## CITRUS AURANTIUM:

- Aleurocanthus woglumi* (Homoptera)
- Anastrepha ludens* (Diptera)
- Unaspis yanonensis* (Homoptera)

## CITRUS GRANDIS:

- Aonidiella inornata* (Homoptera)
- Leucaspis cockerelli* (Homoptera)
- Parlatoria zizyphus* (Homoptera)
- Prays endocarpa* (Lepidoptera)

## CITRUS LIMON:

- Aonidiella inornata* (Homoptera)
- Ceratitidis capitata* (Diptera)
- Ceroplastes sinensis* (?) (Homoptera)
- Cryptoblabes gnidiella* (Lepidoptera)
- Parlatoria cinerea* (Homoptera)
- Parlatoria zizyphus* (Homoptera)
- Pseudonidia trilobitiformis* (Homoptera)
- Unaspis citri* (Homoptera)
- Unaspis yanonensis* (Homoptera)

## CITRUS PARADISI:

- Anastrepha ludens* (Diptera)
- Gymnandrosoma aurantianum* (Lepidoptera)
- Leucaspis cockerelli* (Homoptera)
- Morganella longispina* (Homoptera)
- Olethreutes leucotreta* (Lepidoptera)
- Parlatoria cinerea* (Homoptera)
- Parlatoria zizyphus* (Homoptera)
- Unaspis citri* (Homoptera)
- Unaspis yanonensis* (Homoptera)

## CITRUS RETICULATA:

- Aonidiella inornata* (Homoptera)
- Bemisia citricola* (?) (Homoptera)
- Ceratitidis capitata* (Diptera)
- Chrysomphalus bifasciatus* (Homoptera)
- Morganella longispina* (Homoptera)
- Parlatoria zizyphus* (Homoptera)
- Unaspis yanonensis* (Homoptera)

## CITRUS SINENSIS:

- Acrosternum heegeri* (Hemiptera)
- Aleurocanthus woglumi* (Homoptera)

- Aleurothrixus floccosus* (Homoptera)
- Aleurothrixus myrtaeae* (Homoptera)
- Anastrepha ludens* (Diptera)
- Brevipalpus phoenicis* (Acarina)
- Ceratitidis capitata* (Diptera)
- Chrysomphalus diversicolor* (Homoptera) (as defined by McKenzie).
- Cryptoblabes gnidiella* (Lepidoptera)
- Leucaspis cockerelli* (Homoptera)
- Monomorium destructor* (Hymenoptera)
- Morganella longispina* (Homoptera)
- Olethreutes leucotreta* (Lepidoptera)
- Parlatoria cinerea* (Homoptera)
- Parlatoria zizyphus* (Homoptera)
- Phyllocnistis saligna* (Homoptera)
- Pseudonidia trilobitiformis* (Homoptera)
- Pseudococcus citricus* (Homoptera)
- Tetraleurodes ursorum* (Homoptera)
- Unaspis citri* (Homoptera)
- Unaspis yanonensis* (Homoptera)

## CITUS SP.:

- Aleurocanthus woglumi* (Homoptera)
- Aleurothrixus floccosus* (Homoptera)
- Coccus viridis* (Homoptera)
- Dialeurodes citrifolii* (Homoptera)
- Eutetranychus banksi* (Acarina)
- Orthesia pseudosignis* (Homoptera)
- Parlatoria citri* (Homoptera)
- Parlatoria zizyphus* (Homoptera)
- Tetraleurodes ursorum* (Homoptera)
- Trialeurodes vitrinellus* (Homoptera)
- Unaspis yanonensis* (Homoptera)

## COCOS:

- Agonoxena argaula* (Lepidoptera)
- Aonidiella inornata* (Homoptera)
- Aspidiotus destructor* (Homoptera)
- Aspidiotus palmarum* (Homoptera)
- Chrysomphalus albopictus* (Homoptera)
- Chrysomphalus personatus* (Homoptera)
- Chrysomphalus tingi* (Homoptera)
- Dacus dorsalis* (Diptera)
- Diocalandra taitensis* (Coleoptera)
- Ereunetis flavistriata* (Lepidoptera)
- Furcaspis oceanica* (Homoptera)
- Lepidosaphes megregori* (Homoptera)
- Pseudococcus palmarum* (Homoptera)
- Rhinostomus barbirostris* (Coleoptera)

## CODIAEUM:

- Lepidosaphes tokionis* (Homoptera)
- Parlatoria crotonis* (Homoptera)

## COFFEA:

- Ceratitidis capitata* (Diptera)
- Coccus viridis* (Homoptera)
- Dacus dorsalis* (Diptera)
- Stephanoderes hampei* (Coleoptera)

## COLLINIA:

- Aleuroplatus variegatus* (Homoptera)
- Coelonertus nigrirostris* (Coleoptera)

## CONVALLARIA:

- Frankliniella intonsa* (Thysanoptera)
- Limothrips denticornis* (Thysanoptera)

## COPAIFERA:

- Platyphus rugulosus* (Coleoptera)

## CORDIA:

- Mimosestes sallaei* (Coleoptera)
- Tetranychus desertorum* (Acarina)

## CORDYLINE:

- Bradybaena similis* (Mollusca)
- Lepidosaphes tokionis* (Homoptera)
- Pheidole megacephala* (Hymenoptera)
- Pinnaspis buxi* (Homoptera)
- Plusia chalcites* (Lepidoptera)
- Sybra alternans* (Coleoptera)

## CORNUS:

- Anoecia corni* (Homoptera)

## Hosts and Insects—Continued

## CORYLOPSIS:

*Aleurotuberculatus magnoliae* (Homoptera)

## CORYLUS:

*Curculio nucum* (Coleoptera)

## COTONEASTER:

*Ceroplastes japonicus* (Homoptera)

*Ceroplastes rubens* (Homoptera)

*Pseudonidia paeoniae* (Homoptera)

## CRATAEGUS:

*Grapholitha packardii* (Lepidoptera)

*Trogoderma parvibile* (Coleoptera)

## CROTALARIA:

*Callosobruchus phaseoli* (Coleoptera)

## CRYPTOMERIA:

*Aspidiotus cryptomeriae* (Homoptera)

## CUCUMIS:

*Dacus cucurbitae* (?) (Diptera)

*Ligyrocoris auricilliana* (Hemiptera)

*Naupactus zanthographus* (Coleoptera)

*Pyrausta nubilalis* (Lepidoptera)

*Tezananus spatulatus* (Homoptera)

## CUCURBITA:

*Dacus cucurbitae* (Diptera)

*Ferrisia cirrata* (Homoptera)

## CUPRESSUS:

*Lepidosaphes pallida* (Homoptera)

## CUSSONIA:

*Diaspis zamiae* (Homoptera)

## CYCAD:

*Ozophora concava* (Hemiptera)

## CYCAS:

*Aonidiella inornata* (Homoptera)

## CYDONIA:

*Anastrepha ludens* (Diptera)

*Ceratitis capitata* (Diptera)

*Ectomyelois ceratoniae* (Lepidoptera)

## CYMBIDIUM:

*Lepidosaphes tuberculata* (Homoptera)

*Pseudonidia curculiginis* (Homoptera)

*Zonitoides arboreus* (Mollusca)

## CYNARA:

*Apion carduorum* (Coleoptera)

## CYNODON:

*Antonina graminis* (Homoptera)

*Odonaspis ruthae* (Homoptera)

## CYPRIPEDIUM:

*Coccus capparidis* (Homoptera)

## CYRTOPODIUM:

*Aspidiotus destructor* (Homoptera)

## CYTISUS:

*Aspidiotus mairii* (Homoptera)

*Chionaspis salicis* (Homoptera)

## DAHLIA:

*Frankliniella intonsa* (Thysanoptera)

*Hepialus humuli* (Lepidoptera)

*Taeniothrips atratus* (Thysanoptera)

## DAUCUS:

*Limax marginatus* (Mollusca)

## DELPHINIUM:

*Thrips imaginis* (Thysanoptera)

## DENDROBIUM:

*Aspidiotus australiensis* (Homoptera)

*Aspidiotus palmae* (Homoptera)

*Chrysomphalus pinnulifera* (Homoptera)

*Ferrisia cirrata* (Homoptera)

*Halticus chrysolepis* (Hemiptera)

*Morganella longispina* (Homoptera)

*Orchidophilus aterrimus* (Coleoptera)

*Orydema fusiforme* (Coleoptera)

*Phenacaspis dendrobii* (tentative) (Homoptera)

*Pinnaspis buzi* (Homoptera)

## DIANTHUS:

*Dysdercus honestus* (Hemiptera)

*Frankliniella formosae* (Thysanoptera)

*Haplothrips goudyei* (Thysanoptera)

*Iridomyrmex humilis* (Hymenoptera)

*Taeniothrips dianthi* (Thysanoptera)

*Taeniothrips hawaiiensis* (Thysanoptera)

## DIEFFENBACHIA:

*Ferrisia cirrata* (Homoptera)

*Neoleucon rubrotylus* (Hemiptera)

## DIOSCOREA:

*Palaeopus costicollis* (Coleoptera)

"*Targionia*" *hartii* (Homoptera)

## DIOSPYROS:

*Lepidosaphes conchiformis* (Homoptera)

*Lepidosaphes tubulorum* (Homoptera)

*Pseudococcus azaleae* (Homoptera)

*Pseudococcus kraunhiae* (Homoptera)

## DISTYLIIUM:

*Aulacaspis latissimus* (Homoptera)

## DRACAENA:

*Chrysomphalus sphaerioides* (Homoptera)

## ELAEODENDRON:

*Diaspis zamiae* (Homoptera)

## EPHEDRA:

*Leucaspis riccae* (Homoptera)

## EPIDENDRUM:

*Asterolecanium epidendri* (Homoptera)

*Chrysomphalus umboniferus* (Homoptera)

*Eurytoma orchidearum* (?) (Hymenoptera)

*Furcaspis bifurcata* (Homoptera)

*Pseudidaspis alatus* (Homoptera)

*Pseudoparlatoria ostreata* (Homoptera)

*Tenthetocoris angustimarginatus* (Hemiptera)

*Tenthetocoris distinguendus* (Hemiptera)

*Vinsonia stellifera* (Homoptera)

## ERICA:

*Iridomyrmex humilis* (Hymenoptera)

*Pseudothrips glaucus* (?) (Thysanoptera)

## ERIOBOTRYA:

*Ectomyelois ceratoniae* (Lepidoptera)

## ERYTHRINA:

*Aspidiotus herculeanus* (Homoptera)

## ESENBECKIA:

*Bradybaena similis* (Mollusca)

## EUGENIA:

*Anastrepha mombinprasoptans* (Diptera)

*Dacus dorsalis* (Diptera)

## EUGENIA(?):

*Trialeurodes lauri* (Homoptera)

## EUONYMUS:

*Lecanium corni* (Homoptera)

## EUPHORBIA:

*Cryptophlebia illepidia* (Lepidoptera)

*Iridomyrmex humilis* (Hymenoptera)

## EURYA:

*Lepidosaphes tubulorum* (Homoptera)

*Parlatoria camelliae* (Homoptera)

## Hosts and Insects—Continued

## FATSIA:

*Chrysomphalus bifasciculatus* (Homoptera)

## FERN:

*Deroceras reticulatum* (Mollusca)

## FEROCACTUS:

*Lepidosaphes philococcus* (Homoptera)

## FICUS:

*Ceratitis capitata* (Diptera)

*Ceroplastes rusci* (Homoptera)

*Epidiaspis piricola* (Homoptera)

*Lepidosaphes ficus* (Homoptera)

## FORTUNELLA:

*Unaspis yanonensis* (Homoptera)

## FRAGARIA:

*Aleyrodes loniceræ* (Homoptera)

## FREESIA:

*Iridomyrmex humilis* (Hymenoptera)

## GARDENIA:

*Aleuroparadoxus gardeniæ* (Homoptera)

*Ceroplastes rubens* (Homoptera)

*Coccus viridis* (Homoptera)

*Dialeurodes kirkaldyi* (Homoptera)

*Eucalymnatus tessellatus* (Homoptera)

*Ferrisia virgata* (Homoptera)

*Pulvinaria psidii* (Homoptera)

*Taeniothrips hawaiiensis* (Thysanoptera)

## GENTIANA:

*Stenoptilia stigmatodactyla* (Lepidoptera)

*Taeniothrips picipes* (Thysanoptera)

## GERBERA:

*Coccus viridis* (Homoptera)

*Haplothrips gowdeyi* (Thysanoptera)

## GLADIOLUS:

*Frankliniella formosæ* (Thysanoptera)

*Frankliniella panamensis* (Thysanoptera)

*Phera centrolineata* (Homoptera)

*Rhoecocoris sulciventris* (?) (Hemiptera)

## GONGORA:

*Furcaspis biformis* (Homoptera)

## GOSSYPIUM:

*Bucculatrix thurberiella* (Lepidoptera)

*Ferrisia virgata* (Homoptera)

*Jadera sanguinolenta* (Hemiptera)

*Pectinophora gossypiella* (Lepidoptera)

*Platynota rostrana* (Lepidoptera)

## GREVILLEA:

*Asterolecanium petrophilæ* (Homoptera)

## HEDERA:

*Brevipalpus obovatus* (Acarina)

*Ceroplastes rubens* (Homoptera)

*Chrysomphalus bifasciculatus* (Homoptera)

## HELICHRYSUM:

*Frankliniella intonsa* (Thysanoptera)

## HELICONIA:

*Vinsonia stellifera* (Homoptera)

## HIBISCUS:

*Bemisia tabaci* (Homoptera)

*Pachybrachius albocinctus* (Hemiptera)

*Pectinophora gossypiella* (Lepidoptera)

## HORDEUM:

*Limothrips denticornis* (Thysanoptera)

## HYMENAEA:

*Rhinochenus stigma* (Coleoptera)

## ILEX:

*Aleurotuberculatus aucubæ* (Homoptera)

*Aleurotuberculatus similis* (Homoptera)

*Aonidiella lauretorum* (Homoptera)

*Ceronema japonica* (?) (Homoptera)

*Ceroplastes rubens* (Homoptera)

*Chrysomphalus bifasciculatus* (Homoptera)

*Deroceras reticulatum* (Mollusca)

## IOCHROMA:

*Brevipalpus obovatus* (Acarina)

## IODINA:

*Tetranychus cinnabarinus* (Acarina)

## IPOMOEA:

*Cylas femoralis* (Coleoptera)

*Cylas formicarius* ssp. (Coleoptera)

*Cylas formicarius* var. (Coleoptera)

*Cylas formicarius elegantulus* (Coleoptera)

*Cylas formicarius formicarius* (Coleoptera)

*Cylas puncticollis* (Coleoptera)

*Euscepes postfasciatus* (Coleoptera)

*Spermophagus sericeus* (?) (Coleoptera)

*Sybra alternans* (Coleoptera)

## IRIS:

*Iridothrips iridis* (Thysanoptera)

## IXORA:

*Coccus viridis* (Homoptera)

*Pheidole megacephala* (Hymenoptera)

*Protopulvinaria pyriformis* (Homoptera)

*Pseudonidia trilobitiformis* (Homoptera)

## JASMINUM:

*Aonidiella comperei* (Homoptera)

*Aspidiotus palmarum* (Homoptera)

*Coccus viridis* (Homoptera)

*Dialeurodes kirkaldyi* (Homoptera)

## JUGLANS:

*Ectomyelois ceratoniae* (Lepidoptera)

*Rhagoletis juglandis* (Diptera)

## JUNCUS:

*Nipponaclerda biwakoensis* (Homoptera)

## JUNIPERUS:

*Lepidosaphes newsteadi* (Homoptera)

*Lepidosaphes pallida* (Homoptera)

*Lineaspis striata* (Homoptera)

*Pentamerismus oregonensis* (Acarina)

## KIGELIA:

*Ectomyelois ceratoniae* (Lepidoptera)

## LACTUCA:

*Deroceras reticulatum* (Mollusca)

*Helix aspersa* (Mollusca)

*Milax gagates* (?) (Mollusca)

*Myzus ascalonicus* (Homoptera)

*Nysius vinitor* (Hemiptera)

*Thrips angusticeps* (Thysanoptera)

## LAELIA:

*Anaphothrips orchidaceus* (Thysanoptera)

*Furcaspis biformis* (Homoptera)

*Plagiodera thymaloides* (Coleoptera)

*Puto ulter* (Homoptera)

## LANSIUM:

*Pseudococcus lilacinus* (Homoptera)

## LATHYRUS:

*Bruchus tristis* (Coleoptera)

*Taeniothrips atratus* (Thysanoptera)

*Thrips flavus* (Thysanoptera)

*Thrips major* (Thysanoptera)

## LAURUS:

*Aleuroplatus plumosus* (Homoptera)

*Trialeurodes lauri* (Homoptera)

## LAVANDULA:

*Frankliniella intonsa* (Thysanoptera)



## Hosts and Insects—Continued

## LENS:

- Bruchus ervi* (Coleoptera)  
*Bruchus signaticornis* (Coleoptera)

## LEUCAENA:

- Araecerus levipennis* (Coleoptera)  
*Sybra alternans* (Coleoptera)

## LICUALA:

- Aspidiotus destructor* (Homoptera)

## LILIUM:

- Frankliniella formosae* (Thysanoptera)  
*Phenacoccus gossypii* (Homoptera)  
*Ripsteriella palastiniae* (Homoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)

## LIRIOPE:

- Pinnaaspis caricis* (Homoptera)

## LITCHI:

- Cryptophlebia illepidia* (Lepidoptera)  
*Florinia nephetii* (Homoptera)  
*Icerya seychellarum* (Homoptera)  
*Pulvinaria psidii* (Homoptera)

## LOCKHARTIA:

- Conchaspiis orchidarum* (Homoptera)

## LOLIUM:

- Hypera postica* (Coleoptera)

## LUCUMA:

- Anastrepha serpentina* (Diptera)

## LUPINUS:

- Acanthoscelides spinipes* (Coleoptera)  
*Bruchus tristis* (Coleoptera)

## LYCASTE:

- Puto ulter* (Homoptera)

## LYCOPERSICON:

- Dacus cucurbitae* (Diptera)  
*Dacus dorsalis* (Diptera)  
*Erptochioma oblonga* (Hemiptera)  
*Gnaphalodes trachyderoides* (Coleoptera)  
*Neoleucinodes elegantalis* (Lepidoptera)  
*Platynota rostrana* (Lepidoptera)  
*Pyrausta nubilalis* (Lepidoptera)

## LYCORIS:

- Taeniothrips gracilis* (Thysanoptera)

## MACADAMIA:

- Oxydema fusiforme* (Coleoptera)  
*Sybra alternans* (Coleoptera)

## MALPIGHIA:

- Pulvinaria urticae* (tentative) (Homoptera)

## MALUS:

- Argyresthia conjugella* (Lepidoptera)  
*Carpodina nipponensis* (Lepidoptera)  
*Epidiaspis piricola* (Homoptera)  
*Parlatoria oleae* (Homoptera)  
*Rhopalosiphum crataegillum* (Homoptera)

## MALVACEAE:

- Pectinophora gossypiella* (?) (Lepidoptera)

## MANGIFERA:

- Anastrepha ludens* (Diptera)  
*Anastrepha mombinpraeoptans* (Diptera)  
*Aspidiotus destructor* (Homoptera)  
*Aulacaspis mangiferae* (Homoptera)  
*Aulacaspis tubercularis* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Chrysomphalus personatus* (Homoptera)  
*Dacus dorsalis* (Diptera)  
*Pseudocnaspis longissima* (Homoptera)  
*Selenothrips rubrocinctus* (Thysanoptera)  
*Sternonchus mangiferae* (Coleoptera)

## MEDICAGO:

- Frankliniella schultzei* (Thysanoptera)

## MENTHA:

- Haplothrips gowdeyi* (Thysanoptera)

## METROSIDEROS:

- Ceroptastes rubens* (Homoptera)

## MICHELIA:

- Brevipalpus obovatus* (Acarina)

## MOMORDICA:

- Dacus cucurbitae* (Diptera)  
*Sybra alternans* (Coleoptera)

## MONSTERA:

- Neoleucon rubrotylus* (Hemiptera)  
*Pinnaaspis buzi* (Homoptera)  
*Vinsonia stellifera* (Homoptera)

## MUSA:

- Cosmopolites sordidus* (Coleoptera)  
*Dacus dorsalis* (Diptera)  
*Epilachna borealis nequinoxialis* (Coleoptera)  
*Epilachna paenulata* (Coleoptera)  
*Metamasius sericeus* (Coleoptera)  
*Metamasius sericeus sericeus* (Coleoptera)  
*Platynota rostrana* (Lepidoptera)  
*Porphyrobaphis iostoma* (Mollusca)

## MUSCARI:

- Bouhelia maroccana* (Homoptera)

## MYRISTICA:

- Aspidiotus palmarum* (Homoptera)  
*Pseudocnaspis trilobitiformis* (Homoptera)

## NARCISSUS:

- Lampetia equestris* (Diptera)  
*Stenotarsonemus laticeps* (Acarina)

## NEOMOOREA:

- Pinnaaspis buzi* (Homoptera)

## NEPENTHES:

- Limax marginatus* (Mollusca)

## NERIUM:

- Chrysomphalus personatus* (Homoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Morganella longispina* (Homoptera)

## NIPA:

- Aspidiotus destructor* (Homoptera)

## NYMPHAEA:

- Thrips imaginis* (Thysanoptera)

## ODONTOGLOSSUM:

- Aspidiotus mendax* (Homoptera)  
*Puto ulter* (Homoptera)  
*Tenthetorix bicolor* (Hemiptera)

## OEONIELLA:

- Zonitoides arboreus* (Mollusca)

## OLEA:

- Aleurolobus olivinus* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Dacus oleae* (Diptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Leucaspis riccae* (Homoptera)  
*Parlatoria oleae* (Homoptera)  
*Phloeotribus scarabaeoides* (Coleoptera)  
*Prays oleellus* (Lepidoptera)

## OLINIA:

- Thrips major* (Thysanoptera)

## ONCIDIUM:

- Asterolecanium epidendri* (Homoptera)  
*Chrysomphalus umboniferus* (tentative) (Homoptera)  
*Farinococcus guatemalensis* (Homoptera)

## Hosts and Insects—Continued

## ONCIDIUM—Continued

- Furcaspis biformis* (Homoptera)  
*Pseudoparlatoria ostreata* (Homoptera)  
*Tenthecoris confusus* (Hemiptera)  
*Vinsonia stellifera* (Homoptera)

## OPERCULINA:

- Adoretus sinicus* (Coleoptera)  
*Chaetanaphothrips orchidii* (Thysanoptera)  
*Sybra alternans* (Coleoptera)

## OPUNTIA:

- Ceratitis capitata* (Diptera)

## ORCHID:

- Aleuroglandulus emmae* (Homoptera)  
*Amphelasma decoratum* (Coleoptera)  
*Anacraga sofia* (Lepidoptera)  
*Aonidiella citrina* (Homoptera)  
*Aspidiotus destructor* (Homoptera)  
*Aspidiotus palmae* (Homoptera)  
*Asterolecanium epidendri* (Homoptera)  
*Bradybaena similis* (Mollusca)  
*Brevipalpus oncidii* (Acarina)  
*Brevipalpus phoenicis* (Acarina)  
*Chrysomphalus personatus* (Homoptera)  
*Chrysomphalus unboniferus* (Homoptera)  
*Deloyala guttata* (Coleoptera)  
*Deroceras reticulatum* (Mollusca)  
*Diachus auratus* (Coleoptera)  
*Diorymerellus laevimargo* (Coleoptera)  
*Eriopochiomeria albomaculata* (Hemiptera)  
*Eriopochiomeria confusa* (Hemiptera)  
*Farinococcus guatemalensis* (Homoptera)  
*Furcaspis biformis* (Homoptera)  
*Galgapha punctifer* (Hemiptera)  
*Iridomyrmex iniquus* (Hymenoptera)  
*Lecaniodiaspis dendrobii* (Homoptera)  
*Lepidosaphes tuberculata* (Homoptera)  
*Ligyrocoris aurivilliana* (Hemiptera)  
*Ligyrocoris nitidicollis* (Hemiptera)  
*Limax marginatus* (Mollusca)  
*Microcerotermes arboreus* (Isoptera)  
*Monanthia monotropidia* (Hemiptera)  
*Mormidea pictiventris* (Hemiptera)  
*Nysius raphanus* (Hemiptera)  
*Oebalus insularis* (Hemiptera)  
*Oedancala bimaculata* (Hemiptera)  
*Opuntiaspis carinata* (Homoptera)  
*Pachygrontha oedancalodes* (Hemiptera)  
*Parlatoria pseudaspidotus* (Homoptera)  
*Paromius longulus* (Hemiptera)  
*Plagioderia semivittata* (Coleoptera)  
*Plagioderia thymaloides* (Coleoptera)  
*Planococcus hoznyi* (Homoptera)  
*Pseudischnaspis alienus* (Homoptera)  
*Pseudischnaspis longissima* (Homoptera)  
*Pseudoparlatoria ostreata* (Homoptera)  
*Puto ulter* (Homoptera)  
*Rhopalosiphum rufiabdominalis* (Homoptera)  
*Tenthecoris bicolor* (Hemiptera)  
*Tenthecoris confusus* (Hemiptera)  
*Tenthecoris distinguendus* (Hemiptera)  
*Tenthecoris vestitus* (Hemiptera)  
*Tenuipalpus pacificus* (Acarina)  
*Vilga dissimilis* (Hemiptera)  
*Vinsonia stellifera* (Homoptera)  
*Zonitoides arboreus* (Mollusca)

## OREOPANAX:

- Pseudococcus gahani* (Homoptera)

## ORNITHOGALUM:

- Epichorista ionephela* (Lepidoptera)

## ORYZA:

- Chilo suppressalis* (Lepidoptera)  
*Monomorium destructor* (Hymenoptera)  
*Trogoderma granarium* (Coleoptera)

## OSMANTHUS:

- Aspidiotus excisus* (Homoptera)

## OXALIS:

- Trialeurodes tabaci* (Homoptera)

## PACHYCEREUS:

- Diaspis echinocacti* (Homoptera)

## PACHYSANDRA:

- Aspidiotus excisus* (Homoptera)

## PALM:

- Aspidiotus destructor* (Homoptera)  
*Bostrychophilus cornutus* (Coleoptera)  
*Chrysomphalus personatus* (Homoptera)  
*Chrysomphalus propinquus* (Homoptera) (as defined by McKenzie)  
*Chrysomphalus sphaerioides* (Homoptera)  
*Chrysomphalus tenax* (Homoptera)  
*Diaspis zamiae* (Homoptera)  
*Eucalymnatus tessellatus* (Homoptera)  
*Heterotermes concolorinatus* (Isoptera)  
*Lyctus brunneus* (Coleoptera)

## PANDANUS:

- Lepidosaphes esakii* (Homoptera)  
*Pseudococcus pandani* (Homoptera)

## PANICUM:

- Antonina graminis* (Homoptera)

## PASSIFLORA:

- Dacus dorsalis* (Diptera)

## PELARGONIUM:

- Orychilus allarius* (Mollusca)  
*Phenacoccus gossypii* (Homoptera)  
*Puto mexicanus* (Homoptera)

## PELTOPHORUM:

- Caryedon fuscus*(?) (Coleoptera)

## PEPEROMIA:

- Bradybaena similis* (Mollusca)

## PERSEA:

- Anastrepha ludens* (Diptera)  
*Chrysomphalus personatus* (Homoptera)  
*Conotrachelus aguacatae* (Coleoptera)  
*Conotrachelus perseae* (Coleoptera)  
*Dacus dorsalis* (Diptera)  
*Limax marginatus* (Mollusca)  
*Stenomoma catenifer* (Lepidoptera)

## PETROSELINUM:

- Cepaea nemoralis* (Mollusca)  
*Theba pisana* (Mollusca)

## PHAJUS:

- Vinsonia stellifera* (Homoptera)

## PHASEOLUS:

- Apion griseum* (Coleoptera)  
*Callosobruchus phaseoli* (Coleoptera)  
*Dacus cucurbitae* (Diptera)  
*Epinotia aporema* (Lepidoptera)  
*Eriopochiomeria confusa* (Hemiptera)  
*Iridomyrmex humilis* (Hymenoptera)  
*Laspeyresia fabipora* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Pyrausta nubilalis* (Lepidoptera)

## PHILODENDRON:

- Chrysomphalus albopictus* (Homoptera)  
*Chrysomphalus sphaerioides* (Homoptera)  
*Chrysomphalus tenax* (Homoptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Neoleucon rubrotylus* (Hemiptera)  
*Pinnaspis buxi* (Homoptera)  
*Tenthecoris bicolor* (Hemiptera)

## PHOENIX:

- Dactyloctenyes aegyptiae* (Homoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)

## PHORADENDRON:

- Aspidiotus popularum* (tentative) (Homoptera)

## PILEA:

- Pseudococcus citricus* (Homoptera)

## Hosts and Insects—Continued

## PINUS:

- Lepidosaphes newsteadi* (Homoptera)  
*Leucaspis loewi* (Homoptera)  
*Leucaspis pusilla* (Homoptera)  
 "Poliaspis" *pini* (Homoptera)

## PIPER:

- Phenacoccus hirsutus* (Homoptera)

## PISTACIA:

- Chrysomphalus inopinatus* (Homoptera)  
*Eurytoma plotnikovi* (Hymenoptera)  
*Lepidosaphes pistaciae* (Homoptera)  
*Lepidosaphes pistaciae f. pistacicola* (Homoptera)

## PISUM:

- Ancylostomia stercorea* (Lepidoptera)  
*Caryedon fuscus* (Coleoptera)  
*Chalcodermus aeneus* (Coleoptera)  
*Ereus comyntas* (Lepidoptera)  
*Fundella pellucens* (Lepidoptera)  
*Laspeyresia nigricana* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)

## PITHECELOBIUM:

- Stator limbatus* (Coleoptera)

## PITTOSPORUM:

- Brevipalpus obovatus* (Acarina)

## PLEUROTHALLIS:

- Amyssonotum rastratum flexum* (Hemiptera)

## PLUMERIA:

- Pholidoformus advena* (Coleoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)

## POLIANTHES:

- Thrips flavus* (Thysanoptera)

## POTENTILLA:

- Thrips major* (Thysanoptera)

## POTHOS:

- Diaprepes abbreviatus* (Coleoptera)

## PRIMULA:

- Deroceus reticulatum* (Mollusca)

## PROTEA:

- Cenaeus pectoralis* (Hemiptera)  
*Iridomyrmex humilis* (Hymenoptera)

## PRUNUS AMYGDALUS:

- Aspidiotus destructor* (Homoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Parlatoria oleae* (Homoptera)  
*Trogoderma parabile* (Coleoptera)

## PRUNUS ARMENIACA:

- Ischnodemus diplopterus* (Hemiptera)  
*Parlatoria oleae* (Homoptera)

## PRUNUS DOMESTICA:

- Ceratitis capitata* (Diptera)  
*Geniocremnus chilensis* (Coleoptera)  
*Listroderes subcincta* (Coleoptera)  
*Pseudococcus gahani* (Homoptera)

## PRUNUS PERSICA:

- Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Dichocrocis punctiferalis* (Lepidoptera)  
*Geniocremnus chilensis* (Coleoptera)  
*Ischnodemus diplopterus* (Hemiptera)  
*Pulvinaria vitis* (Homoptera)  
*Trogoderma granarium* (Coleoptera)

## PRUNUS PERSICA NECTARINA:

- Geniocremnus chilensis* (Coleoptera)

## PRUNUS SEROTINA:

- Anthonomus rectirostris* (Coleoptera)

## PRUNUS SP. (cherry):

- Malacosoma neustria* (Lepidoptera)  
*Rhagoletis cerasi* (Diptera)

## PRUNUS SP. (?):

- Ceroplastes japonicus* (Homoptera)

## PSIDIUM:

- Anastrepha mombinpraeoptans* (Diptera)  
*Anastrepha striata* (?) (Diptera)  
*Ceratitis capitata* (Diptera)  
*Lechriops psidii* (Coleoptera)

## PUNICA:

- Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera) \*  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Dacus dorsalis* (Diptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Orthezia pseudinsignis* (Homoptera)

## PYRUS:

- Ceratitis capitata* (Diptera)  
*Lepidosaphes conchiformis* (Homoptera)  
*Pseudococcus gahani* (Homoptera)

## QUERCUS:

- Adleria kollari* (Hymenoptera)  
*Curculio elephas* (Coleoptera)  
*Hemimene juliana* (Lepidoptera)

## RAPHANUS:

- Hellula undalis* (Lepidoptera)

## RAUWOLFIA:

- Pseudonidia darutyi* (Homoptera)

## REINHARDTIA:

- Pseudonidia tessellata* (Homoptera)

## RENANTHERA:

- Furcaspis biformis* (Homoptera)

## RHAPIS:

- Aspidiotus destructor* (Homoptera)

## RHODODENDRON:

- Ceroplastes rubens* (Homoptera)  
*Dialeurodes chittendeni* (Homoptera)  
*Gracilaria azalella* (Lepidoptera)  
*Pseudonidia claviger* (Homoptera)  
*Pseudococcus gahani* (Homoptera)  
*Stephanitis pyrioides* (Hemiptera)

## RHYNCHOSTYLIS:

- Phenacaspis dendrobii* (tentative) (Homoptera)

## ROBINIA:

- Lecanium corni* (Homoptera)

## ROSA:

- Chrysomphalus personatus* (Homoptera)  
*Frankliniella intosa* (Thysanoptera) 4  
*Isonurothrips obscuratus* (Thysanoptera)  
*Parlatoria oleae* (Homoptera)  
*Paromius longulus* (Hemiptera)  
*Tetraleurodes ursorum* (Homoptera)  
*Tetranychus lobosus* (Acarina)  
*Thrips fuscipennis* (Thysanoptera)  
*Thrips major* (Thysanoptera)

## ROYSTONEA:

- Leucaspis cockerelli* (Homoptera)

## RUBUS:

- Asterobemisia carpini* (Homoptera)

## RUMEX:

- Dysdercus andreae* (Hemiptera)  
*Pheidole megacephala* (Hymenoptera)

## RUTA:

- Tetraleurodes abutilonea* (Homoptera)



## Hosts and Insects—Continued

## RUTACEAE(?):

*Trialeurodes similis* (Homoptera)

## SACCHARUM:

*Aulacaspis madiunensis* (Homoptera)

*Chilo loftini* (Lepidoptera)

*Pyrophorus noctilucus* (Coleoptera)

*Trionymus sacchari* (Homoptera)

## SAINTPAULIA:

*Acalypta brunnea* (Hemiptera)

## SCHEFFLERA:

*Protopulvinaria pyriformis* (Homoptera)

*Pseudococcus gahani* (Homoptera)

## SCHOMBURGKIA:

*Chrysomphalus umboniferus* (Homoptera)

*Pseudischaspis alienus* (Homoptera)

## SECHIU:

*Phenacoccus gossypii* (Homoptera)

*Platynota rostrana* (Lepidoptera)

## SEDUM:

*Pulvinaria psidii* (Homoptera)

## SELAGINELLA:

*Bradybaena similis* (Mollusca)

## SESBANIA:

*Acanthoscelides griseolus* (?) (Coleoptera)

## SOIL:

*Aleyrodes loniceræ* (Homoptera)

*Arion circumscriptus* (Mollusca)

*Brachyrhinus ovatus* (Coleoptera)

*Bradybaena similis* (Mollusca)

*Frankliniella schultzei* (Thysanoptera)

*Glycyphagus ornatus* (Acarina)

*Limax marginatus* (Mollusca)

*Orychilus allarius* (Mollusca)

*Penitodon punctatus* (Coleoptera)

*Philaenus leucophthalmus* (Homoptera)

*Synnyrias diffundens* (Lepidoptera)

*Tetranychus desertorum* (Acarina)

## SOLANUM MELONGENA:

*Leucinodes orbonalis* (Lepidoptera)

*Neoleucinodes elegantalis* (Lepidoptera)

## SOLANUM QUITOENSE:

*Neoleucinodes elegantalis* (Lepidoptera)

## SOLANUM TUBEROSUM:

*Tyrophagus infestans* (Acarina)

## SOLANUM SP.:

*Pachyzancla perisualis* (Lepidoptera)

## SORBUS:

*Chionaspis salicis* (Homoptera)

## SORGHUM:

*Pyrausta nubilalis* (Lepidoptera)

## SPINACIA:

*Gnorimoschema ocellatella* (Lepidoptera)

## SPONDIAS:

*Anastrepha mombinpraeoptans* (Diptera)

*Dacus dorsalis* (Diptera)

## STANHOPEA:

*Brevipalpus phoenicis* (Acarina)

*Coccus viridis* (Homoptera)

*Furcaspis biformis* (Homoptera)

## STRELITZIA:

*Thecla ziba* (Lepidoptera)

## SYRINGA:

*Adoxophyes orana* (Lepidoptera)

## TAMARINDUS:

*Caryedon fuscus* (Coleoptera)

*Cryptophlebia ombrodella* (Lepidoptera)

*Ectomyelois ceratoniae* (Lepidoptera)

## TAXUS:

*Lepidosaphes pallida* (Homoptera)

## TERMINALIA:

*Aspidiotus destructor* (Homoptera)

*Dacus dorsalis* (Diptera)

## THEOBROMA:

*Stenoma decora* (Lepidoptera)

## THUJA:

*Aspidiotus pseudomeyeri* (Homoptera)

*Oligonychus perditus* (Acarina)

## TILLANDSIA:

*Andrector atrofasciata* (Coleoptera)

*Galgupha punctifer* (Hemiptera)

## TRACHELOSPERMUM:

*Aspidiotus destructor* (Homoptera)

## TRAPA:

*Fulvius brevicornis* (Hemiptera)

## TRIFOLIUM:

*Hypera nigrostris* (Coleoptera)

## TRIGONIDIUM:

*Vinsonia stellifera* (Homoptera)

## TRITICUM:

*Iridomyrmex humilis* (Hymenoptera)

*Limothrips denticornis* (Thysanoptera)

*Orygryllus ruginasus* (Coleoptera)

*Trogoderma glabrum* (Coleoptera)

*Trogoderma granarium* (Coleoptera)

*Trogoderma inclusum* (Coleoptera)

## TSUGA:

*Aspidiotus abietis* (Homoptera)

## TULIPA:

*Myzus ascalonicus* (Homoptera)

*Taeniothrips gracilis* (Thysanoptera)

## TURNERA:

*Trialeurodes similis* (Homoptera)

*Trialeurodes tephrosiae* (Homoptera)

## VACCINIUM:

*Aleurotuberculatus similis* (Homoptera)

## VANDA:

*Athesapeuta cyperi* (Coleoptera)

*Bradybaena similis* (Mollusca)

*Caryedon fuscus* (Coleoptera)

*Deroceras reticulatum* (Mollusca)

*Furcaspis biformis* (Homoptera)

*Leucaspis cockerelli* (Homoptera)

*Nysius coenosulus* (Hemiptera)

*Orchidophilus aterrimus* (Coleoptera)

*Parlatoria pseudaspidiotus* (Homoptera)

*Siphanta acuta* (Homoptera)

*Zonitoides arboreus* (Mollusca)

## VIBURNUM:

*Frauenfeldiella jelinekii* (Homoptera)

## VICIA:

*Acanthoscelides spinipes* (Coleoptera)

*Bruchus guttatus* (?) (Coleoptera)

*Bruchus luteicornis* (Coleoptera)

*Bruchus tristis* (Coleoptera)

*Callosobruchus phaseoli* (Coleoptera)

## VIGNA:

*Nezara viridula* (Hemiptera)

*Hosis and Insects—Continued***VIOLA:***Frankliniella panamensis* (Thysanoptera)**VITIS:***Aclera fratero* (Hemiptera)*Ichnodemus diplopterus* (Hemiptera)*Leptoglossus chilensis* (Hemiptera)*Lobesia botrana* (?) (Lepidoptera)*Naupactus xanthographus* (Coleoptera)*Neotermes chilensis* (Isoptera)*Nezara viridula* (Hemiptera)*Phlyctinus callosus* (Coleoptera) ¶*Raglius apicalis* (Hemiptera) ¶**YUCCA:***Chrysomphalus agavis* (Homoptera) ¶*Farinococcus olivaceus* (Homoptera) ¶*Pseudococcus cualatensis* (Homoptera)*Puto mexicanus* (Homoptera)**ZANTEDESCHIA:***Cyrtopeltis modestus* (Hemiptera)*Haplothrips gowdeyi* (Thysanoptera)*Nezara viridula* (Hemiptera)**ZEA:***Chilo loftini* (Lepidoptera)*Pagiocerus fiorii* (Coleoptera)*Pyrausta nubilalis* (Lepidoptera)*Zeadiatraea lineolata* (Lepidoptera)**ZINGIBER:***Tyrophagus infestans* (Acarina)

## Hosts Unknown

## AIRPLANE:

*Adoretus sinicus* (Coleoptera)  
*Agrotis exusta* (Lepidoptera)  
*Amblycephalus spectus* (Homoptera)  
*Azeta versicolor* (Lepidoptera)  
*Cerastium unicolor* (Coleoptera)  
*Coptotermes formosanus* (Isoptera)  
*Epilachna sparsa* (?) (Coleoptera)  
*Ereunetis simulans* (Lepidoptera)  
*Euxoa spinifera* (Lepidoptera)  
*Heterobostrychus aequalis* (Coleoptera)  
*Melipotis famelica* (Lepidoptera)  
*Nephotettix apicalis* (Homoptera)  
*Nephotettix bipunctatus* (Homoptera)  
*Noropsis hieroglyphica* (Lepidoptera)  
*Ortholomus jamaicensis* (Hemiptera)  
*Pachodynerus nasidens* (Hymenoptera)  
*Pachybrachius nigriceps* (Hemiptera)  
*Paragonatus divergens* (Hemiptera)  
*Paromius longulus* (Hemiptera)  
*Perkinsiella saccharicida* (Homoptera)  
*Piezodorus rubrofasciatus* (Hemiptera)  
*Plusia chalcites* (Lepidoptera)  
*Prodenia litura* (Lepidoptera)  
*Protaetia orientalis* (Coleoptera)  
*Rupela tinctella* (Lepidoptera)  
*Sinoxylon conigerum* (Coleoptera)  
*Stoeberhinus testaceus* (Lepidoptera)  
*Trogoderma sternale* ssp. (Coleoptera)

## AUTOMOBILE:

*Thyanta antiquensis* (Hemiptera)

## BAGGAGE:

*Adoretus sinicus* (Coleoptera)  
*Anomala orientalis* (Coleoptera)  
*Cylas formicarius elegantulus* (Coleoptera)

## BAGGING:

*Trogoderma granarium* (Coleoptera)

## BARK:

*Ips combrae* (Coleoptera)

## BEAN:

*Adoretus sinicus* (Coleoptera)  
*Ancylostoma stercora* (Lepidoptera)  
*Andrector ruficornis* (Coleoptera)  
*Bruchus tristis* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)  
*Trogoderma insulare* (Coleoptera)

## BIRDS—STUFFED:

*Trogoderma inclusum* (Coleoptera)

## BRAN:

*Trogoderma parabile* (Coleoptera)

## BULBS:

*Opogona subcervinella* (Lepidoptera)

## CLOTHING:

*Sybra alternans* (Coleoptera)

## CONEX BOX:

*Theba pisana* (Mollusca)

## CUTTING:

*Lapazia oblecta* (Homoptera)

## DUNNAGE:

*Cepaea nemoralis* (Mollusca)

## FEED:

*Trogoderma parabile* (Coleoptera)

## FLOUR:

*Trogoderma granarium* (Coleoptera)  
*Trogoderma parabile* (Coleoptera)

## FLOWERS:

*Adoretus sinicus* (Coleoptera)  
*Bradybaena similis* (Mollusca)  
*Bryobia cristata* (Acarina)  
*Conotelus mexicanus* (Coleoptera)

*Deroceras reticulatum* (Mollusca)  
*Frankliniella formosae* (Thysanoptera)  
*Frankliniella intonsa* (Thysanoptera)  
*Geotomus pygmaeus* (Hemiptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Helix aspersa* (Mollusca)  
*Iridomyrmex humilis* (Hymenoptera)  
*Siphania acuta* (Homoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)  
*Thrips major* (Thysanoptera)  
*Vallonia pulchella* (Mollusca)

## FOLIAGE:

*Hyaloleplus pellucidus* (Hemiptera)  
*Syagrius fulvilaris* (Coleoptera)

## FOODSTUFF:

*Callosobruchus phaseoli* (Coleoptera)

## GRAIN:

*Trogoderma glabrum* (Coleoptera)

## GRASS:

*Aclerda yunnanensis* (Homoptera)

## GRITS:

*Trogoderma parabile* (Coleoptera)

## HERB:

*Microtalis apicalis* (Homoptera)

## LEAF:

*Aspidiotus destructor* (Homoptera)  
*Gynaikothrips ficorum* (Thysanoptera)  
*Pinnaspis uniloba* (Homoptera)  
*Protopulvinaria pyrififormis* (Homoptera)  
*Pseudanidia trilobitiformis* (Homoptera)  
*Tetraleurodes acaciae* (Homoptera)  
*Tetraleurodes ursorum* (Homoptera)  
*Trialeurodes variabilis* (Homoptera)

## LEGUME:

*Bruchus tristis* (Coleoptera)  
*Ectomyelois muriscis* (Lepidoptera)  
*Mimosestes sallaei* (Coleoptera)

## LOG:

*Ips calligraphus* (Coleoptera)  
*Palaeocorynus nigrosignatus* (Coleoptera)

## MAILBAG:

*Lethocerus indicus* (Hemiptera)

## MAIL PARCEL:

*Adoretus sinicus* (Coleoptera)  
*Oxydema fusiforme* (Coleoptera)

## MILITARY CARGO:

*Achatina fulica* (Mollusca)  
*Theba pisana* (Mollusca)

## MOSS:

*Limax maximus* (Mollusca)  
*Sitona lineata* (Coleoptera)

## PACKAGE:

*Trogoderma parabile* (Coleoptera)

## PACKING CASE:

*Callidium rufipenne* (Coleoptera)  
*Theba pisana* (Mollusca)

## PAPER:

*Sybra alternans* (Coleoptera)

## PLANTS:

*Chrysomphalus minutus* (Homoptera)  
*Coccus viridis* (Homoptera)  
*Dicyphus errans* (Hemiptera)  
*Haplothrips cottei* (Thysanoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Morganella longispina* (Homoptera)  
*Pinnaspis buzi* (Homoptera)



*Hosts Unknown—Continued*

## PLANTS—Continued

- Pulvinaria psidii* (Homoptera)
- Tetraleurodes acaciae* (Homoptera)
- Tetraleurodes ursorum* (Homoptera)
- Tetranychus tumidus* (Acarina)

## RAILWAY CAR:

- Trogoderma glabrum* (Coleoptera)
- Trogoderma inclusum* (Coleoptera)

## ROSACIOUS SHRUBS:

- Brachyrhinus porcatus* (Coleoptera)

## SEED:

- Systole geniculata* (Hymenoptera)

## SEED POD:

- Ectomyelois muriscis* (Lepidoptera)

## STORES—DRY:

- Trogoderma granarium* (Coleoptera)

## SUITCASE:

- Oxydema fusiforme* (Coleoptera)

## TWIG:

- Aspidiotus aesculi* (tentative) (Homoptera)
- Chrysomphalus sacculata* (tentative) (Homoptera)

## UNKNOWN:

- Anastrepha mombinpraeoptans* (Diptera)
- Helix aspersa* (Mollusca)
- Trogoderma granarium* (Coleoptera)

## WOOD:

- Cryptotermes brevis* (Isoptera)
- Heterobostrychus aequalis* (Coleoptera)
- Hylurgops palliatus* (Coleoptera)
- Listroderes costirostris obliquus* (Coleoptera)
- Lyctus africanus* (Coleoptera)
- Minthea rugicollis* (Coleoptera)
- Molorchus minor* (Coleoptera)
- Nasutitermes corniger* (Isoptera)
- Nasutitermes costalis* (Isoptera)
- Obrium cantharinum* (?) (Coleoptera)
- Pityogenes chalcographus* (Coleoptera)
- Reticulitermes flavipes* (Isoptera)
- Sinoxylon anale* (Coleoptera)
- Sinoxylon conigerum* (Coleoptera)
- Theba pisana* (Mollusca)

## Countries of Origin and Insects

## ALGERIA:

*Coccus viridis*  
*Parlatoria zizyphus*

## AMERICAN SAMOA:

*Parlatoria pseudaspidiotus*

## AMERICAN VIRGIN ISLANDS:

*Vinsonia stellifera*

## ANGLO-EGYPTIAN SUDAN:

*Pectinophora gossypiella*

## ANGOLA:

*Pectinophora gossypiella*(?)

## ANTIGUA:

*Asterolecanium milaris robustum*  
*Dysdercus andreae*  
*Pectinophora gossypiella*  
*Vinsonia stellifera*

## ARGENTINA:

*Ceratitis capitata*  
*Frankliniella schultzei*  
*Limax marginatus*  
*Parlatoria cinerea*  
*Pseudonidia trilobitiformis*  
*Tyrophagus infestans*  
*Vallonia pulchella*

## ARUBA:

*Acanthoscelides armitagei*

## AUSTRALIA:

*Aspidiotus australiensis*  
*Aspidiotus palmarum*  
*Asterolecanium petrophilae*  
*Eucalymnatus tessellatus*  
*Frankliniella schultzei*  
*Isoneurothrips obscuratus*  
*Lepidosaphes tuberculata*  
*Limax marginatus*  
*Monomorium destructor*  
*Nysius vinitor*  
*Rhoecocoris sulciventris*(?)  
*Sternonchetus mangiferae*  
*Thrips imaginis*  
*Zonitoides arboreus*

## AUSTRALIA(?):

*Prodenia litura*

## AUSTRIA:

*Aleyrodes lonicerae*

## AZORES:

*Ceratitis capitata*  
*Haplothrips cottei*  
*Haplothrips gowdeyi*  
*Heltz aspersa*  
*Iridomyrmex humilis*  
*Laspeyresia splendana*  
*Pseudococcus citricus*  
*Rhagoletis cerasi*

## BAHAMAS:

*Ancylostoma stercora*  
*Asterolecanium epidendri*  
*Chalcodermus aeneus*  
*Ectomyleois ceratoniae*  
*Ips calligraphus*  
*Melipotis famelica*  
*Mormidea pictiventris*  
*Pheidole megacephala*  
*Protopulvinaria pyrifformis*

## BARBADOS:

*Aspidiotus destructor*  
*Chalcodermus aeneus*  
*Fundella pellucens*  
*Pectinophora gossypiella*  
*Protopulvinaria pyrifformis*  
*Pseudonidia trilobitiformis*

## BELGIAN CONGO:

*Ceratitis capitata*(?)

## BELGIUM:

*Acrolepia assectella*  
*Anthonomus rectirostris*  
*Deroceras reticulatum*  
*Lecanium coryli*  
*Mamestra brassicae*  
*Phytomyza rufipes*  
*Pityogenes chalcographus*  
*Rhagoletis cerasi*  
*Tyrophagus infestans*

## BERMUDA:

*Bradybaena similaris*  
*Deroceras reticulatum*  
*Haplothrips gowdeyi*  
*Iridomyrmex humilis*  
*Morganella longispina*  
*Phenacoccus gossypii*  
*Pulvinaria psidii*

## BOLIVIA:

*Pseudonidia trilobitiformis*

## BRAZIL:

*Aleurothrips floccosus*  
*Aleurothrips myrtacei*  
*Anastrepha serpentina*  
*Asterolecanium epidendri*  
*Bradybaena similaris*  
*Brevipalpus obovatus*  
*Ceratitis capitata*(?)  
*Cerconota anonella*  
*Chrysomphalus personatus*  
*Dysdercus honestus*  
*Euscepes postfasciatus*  
*Furcaspis bifformis*  
*Maruca testulalis*  
*Monanthia monotropidia*  
*Neoleucinodes elegantalis*  
*Parlatoria cinerea*  
*Phelomerus aberrans*  
*Pseudonidia trilobitiformis*  
*Stenomoma catenifer*  
*Stephanoderes hampei*  
*Trialeurodes tabaci*  
*Trogoderma granarium*  
*Vinsonia stellifera*

## BRITISH GUIANA:

*Aspidiotus destructor*  
*Cylas formicarius elegantulus*  
*Furcaspis bifformis*  
*Vinsonia stellifera*

## BRITISH HONDURAS:

*Asterolecanium epidendri*  
*Chrysomphalus umboniferus*  
*Furcaspis bifformis*  
*Lecaniodiaxipis dendrobii*  
*Pseudischiaxipis alienus*  
*Vinsonia stellifera*

## BRITISH WEST INDIES:

"Targionia" hartii

## CANADA:

*Arion circumscriptus*  
*Brachyrhinus ovatus*  
*Chermes piceae*  
*Philaenus leucophthalmus*  
*Pulvinaria vitis*  
*Taeniothrips ericae*  
*Zonitoides arboreus*

## CANAL ZONE:

*Aspidiotus destructor*  
*Asterolecanium epidendri*  
*Brevipalpus phoenicis*  
*Chrysomphalus umboniferus*  
*Conchaspis orchidarum*  
*Furcaspis bifformis*  
*Leucaspis cockerelli*

## Countries of Origin and Insects—Continued

## CANAL ZONE—Continued

*Parlatoria cinerea*  
*Pinnaspis buxi*  
*Pseudischaspis alienus*  
*Tenthecoris distinguendus*  
*Unaspis citri*  
*Vilga dissimilis*  
*Vinsonia stellifera*

## CANARY ISLANDS:

*Brevipalpus phoenicis*  
*Chrysomphalus diversicolor* (as defined by McKenzie)

## CAPE VERDE ISLANDS:

*Bruchus luteicornis*

## CENTRAL AMERICA:

*Anastrepha mombinpraeoptans*  
*Conotrachelus perseae*

## CEYLON:

*Monomorium destructor*  
*Tyrophagus infestans*

## CHILE:

*Acletra fraterna*  
*Epinotia aporema*  
*Gentocremnus chilensis*  
*Leptoglossus chilensis*  
*Listroderes subcincta*  
*Lygaeus albo-ornatus*  
*Naupactus xanthographus*  
*Neotermes chilensis*  
*Nezara viridula*  
*Pseudococcus gahani*

## CHINA:

*Parlatoria zizyphus*  
*Trogoderma granarium*  
*Unaspis yanensis*

## COLOMBIA:

*Cyrtopeltis modestus*  
*Epinotia aporema*  
*Ferrisia virgata*  
*Frankliniella panamensis*  
*Parlatoria cinerea*  
*Parlatoria pseudaspidotus*  
*Platypus rugulosus*  
*Pseudanidia trilobitiformis*  
*Stenoma catenifer*  
*Thecia ziba*

## COSTA RICA:

*Anastrepha mombinpraeoptans*  
*Aspidiotus destructor*  
*Aspidiotus palmarum*  
*Asterolecanium epidendri*  
*Chrysomphalus umboniferus*  
*Cosmopolites sordidus*  
*Deroceras reticulatum*  
*Farinococcus guatemalensis*  
*Furcaspis biformis*  
*Ligyrocoris nitidicollis*  
*Limax marginatus*  
*Ortholomus jamaicensis*  
*Pinnaspis buxi*  
*Pseudischaspis alienus*  
*Puto ulter*  
*Tenthecoris confusus*  
*Tenthecoris distinguendus*

## CUBA:

*Aganactes indecora*  
*Anastrepha mombinpraeoptans*  
*Andrector ruficornis*  
*Aspidiotus destructor*  
*Asterolecanium epidendri*  
*Asterolecanium miliaris*  
*Coccus viridis*  
*Cylas formicarius elegantulus*  
*Faustinus cubae*  
*Ferrisia virgata*  
*Furcaspis biformis*

*Heterobostrychus aequalis*  
*Leucaspis cockerelli*  
*Limax marginatus*  
*Micrualis apicalis*  
*Noropsis hieroglyphica*  
*Pachybrachius albocinctus*  
*Parlatoria crotonis*  
*Parlatoria zizyphus*  
*Pectinophora gossypiella*  
*Pheidole megacephala*  
*Platynota rostrana*  
*Pseudischaspis bowreyi*  
*Pseudoparlatoria ostreata*  
*Pyrophorus noctilucus*  
*Ribua innozia*  
*Tetranychus tumidus*  
*Unaspis citri*  
*Vinsonia stellifera*  
*Zedaiatraea lineolata*

## DENMARK:

*Frankliniella intonsa*  
*Limothrips denticornis*  
*Molochus minor*

## DOMINICAN REPUBLIC:

*Aleurothrixus floccosus*  
*Anastrepha mombinpraeoptans*  
*Ancylostoma stercora*  
*Cylas formicarius elegantulus*  
*Dialeurodes citrifolii*  
*Leucaspis cockerelli*  
*Pectinophora gossypiella*  
*Platynota rostrana*  
*Ribua innozia*  
*Systole geniculata*  
*Trionymus sacchari*

## ECUADOR:

*Chrysomphalus umboniferus*  
*Cosmopolites sordidus*  
*Epilachna borealis aequinoctialis*  
*Epilachna paenulata*  
*Exptochioma confusa*  
*Laspeyresia fabiora*  
*Metamasius sericeus*  
*Metamasius sericeus sericeus*  
*Neoleucinodes elegantalis*  
*Pagiocerus fiorii*  
*Porphyrobaphis iostoma*  
*Stenoma catenifer*

## EGYPT:

*Callosobruchus phaseoli*  
*Ceratitis capitata*  
*Stephanoderes hampei*

## ELEUTHERA ISLAND:

*Pectinophora gossypiella*

## EL SALVADOR:

*Anastrepha mombinpraeoptans*  
*Aulacaspis mangiferae*  
*Aulacaspis tubercularis*  
*Chrysomphalus umboniferus*  
*Deroceras reticulatum*  
*Furcaspis biformis*  
*Pseudischaspis alienus*  
*Pseudoparlatoria ostreata*  
*Stenoma catenifer*  
*Vinsonia stellifera*

## ENGLAND:

*Aleuroplatus plumosus*  
*Anoecia corni*  
*Argyresthia conjugella*  
*Brevipalpus oncidii*  
*Dactylotrypex uyttendoogaarti*  
*Deroceras reticulatum*  
*Dialeurodes chittendeni*  
*Frankliniella intonsa*  
*Frauenfeldella jelinekii*  
*Gelechia ericetella*  
*Heptalus humuli*  
*Iridothrips iridis*



## Countries of Origin and Insects—Continued

## ENGLAND—Continued

*Lampetia equestris*  
*Lecanium corni*  
*Lepidosaphes tuberculata*  
*Myzus ascalonicus*  
*Phytomyza rufipes*  
*Pulvinaria camelicola*  
*Steneotarsonemus laticeps*  
*Taeniothrips atratus*  
*Thrips flavus*  
*Thrips fuscipennis*  
*Thrips major*  
*Trogoderma granarium*  
*Zonitoides arboreus*

## ENIWETOK (?):

*Sternochetus mangiferae*

## FEDERATION OF MALAYA:

*Furcaspis biformis*  
*Parlatoria zizyphus*  
*Prays endocarpa*

## FIJI ISLANDS:

*Aspidiotus herculeanus*  
*Lepidosaphes tuberculata*  
*Morganella longispina*  
*Unaspis citri*

## FINLAND:

*Arge pullata*

## FORMOSA:

*Ceroplastes rubens*  
*Lepidosaphes tuberculata*  
*Parlatoria zizyphus*  
*Trogoderma granarium*

## FRANCE:

*Aceria macrochelus*  
*Acrolepia assectella*  
*Aspidiotus mairii*  
*Asterobemisio carpini*  
*Brevipalpus phoenicis*  
*Curculio elephas*  
*Deroceas reticulatum*  
*Helix aspersa*  
*Hypera punctata*  
*Laspeyresia splendana*  
*Lecanium corni*  
*Lecanium coryli*  
*Leucaspis loewi*  
*Oribium cantharinum(?)*  
*Parlatoria zizyphus*  
*Phytomyza rufipes*  
*Pseudococcus gahani*  
*Psylliodes chryscephala*  
*Pulvinaria vitis*  
*Rhagoletis cerasi*  
*Taeniothrips atratus*  
*Thrips major*

## FRANCE(?):

*Ceratitis capitata*

## FRENCH WEST AFRICA:

*Hellula undalis*  
*Palaeocorynus nigrosignatus*  
*Parlatoria zizyphus*  
*Tyrophagus infestans*

## GERMANY:

*Acalypta brunnea*  
*Aleyrodes toniceriae*  
*Argyresthia confugella*  
*Arion circumscriptus*  
*Brachyrhinus porcatius*  
*Brevipalpus obovatus*  
*Cepaea nemoralis*  
*Frankliniella intonsa*  
*Gelechia ericetella*  
*Ips combrae*  
*Lampetia equestris*  
*Milax gagates(?)*  
*Phytomyza rufipes*

*Rhagoletis cerasi*  
*Steneotarsonemus laticeps*  
*Taeniothrips atratus*  
*Taeniothrips dianthi*  
*Taeniothrips ericae*  
*Thrips flavus*  
*Thrips major*

## GHANA:

*Maruca testulalis*

## GRAND CAYMAN:

*Microcerotermes arboreus*

## GREECE:

*Bruchus tristis*  
*Ceratitis capitata*  
*Cryptolabes gnidiella*  
*Curculio elephas*  
*Ectomyelois ceratoniae*  
*Hypera postica*  
*Laspeyresia splendana*  
*Leucaspis riccae*  
*Parlatoria oleae*  
*Pseudococcus citricus*  
*Ripersistella palastiniae*  
*Trogoderma inclusum*

## GRENADA:

*Furcaspis biformis*

## GUAM:

*Achatina fulica*  
*Aonidiella inornata*  
*Cerestium unicolor*  
*Lepidosaphes mcgregori*  
*Pheidole megacephala*  
*Sternochetus mangiferae*

## GUATEMALA:

*Anastrepha ludens*  
*Anastrepha mombinpraeoptans*  
*Aspidiotus mendax*  
*Aspidiotus palmarum*  
*Asterolecanium epidendri*  
*Chrysomphalus tenax*  
*Chrysomphalus umboniferus*  
*Deroceas reticulatum*  
*Farinococcus guatemalensis*  
*Furcaspis biformis*  
*Iridomyrmex iniquus*  
*Lepidosaphes tuberculata*  
*Ligyrocorys aurivilliana*  
*Limax marginatus*  
*Nysius raphanus*  
*Paromius longulus*  
*Pseudoparlatoria ostreata*  
*Puto ulter*  
*Stenomoma catenifer*  
*Tenthecoris bicolor*  
*Tenthecoris confusus*  
*Tenthecoris vestitus*  
*Vinsonia stellifera*

## HAITI:

*Anastrepha mombinpraeoptans*  
*Bemisia tabaci*  
*Cylas formicarius elegantulus*  
*Haplothrips gowdeyi*  
*Nezara viridula*

## HAWAII:

*Adoretus sinicus*  
*Anomala orientalis*  
*Araecerus leipennensis*  
*Athesapecta cyperi*  
*Bradybaena similaris*  
*Caryedon fuscus*  
*Ceratitis capitata*  
*Ceroplastes rubens*  
*Chaetanaphothrips orchidii*  
*Coccus viridis*  
*Conotelus mexicanus*  
*Coptotermes formosanus*  
*Cryptophlebia illepipa*

## Countries of Origin and Insects—Continued

## HAWAII—Continued

*Cryptotermes brevis*  
*Cylas formicarius elegantulus*  
*Dacus cucurbitae*  
*Dacus dorsalis*  
*Deroceras reticulatum*  
*Diachus auratus*  
*Dialeurodes kirkaldyi*  
*Diocalandra taitensis*  
*Ectomyelois ceratoniae*  
*Ereunetis flavistriata*  
*Euscepes postfasciatus*  
*Furcaspis biformis*  
*Geotomus pygmaeus*  
*Halticus chrysoplepis*  
*Hyalopeplus pellucidus*  
*Lampides boeticus*  
*Lepidosaphes tokionis*  
*Lepidosaphes tuberculata*  
*Leucaspis cockerelli*  
*Listroderes costirostris obliquus*  
*Maruca testulalis*  
*Mimosestes sallaei*  
*Nystus coenosulus*  
*Orchidophilus aterrimus*  
*Oxydema fusiforme*  
*Parlatoria crotonis*  
*Parlatoria zizyphus*  
*Pectinophora gossypiella*  
*Perkinsiella saccharicida*  
*Pheidole megacephala*  
*Photidoforus advena*  
*Pinnaspis buxi*  
*Pinnaspis caricis*  
*Plusia chalcites*  
*Pseudococcus palmarum*  
*Pulvinaria psidii*  
*Sinoxylon conigerum*  
*Siphanta acuta*  
*Sternochelus mangiferae*  
*Syagrus fulvitaris*  
*Sybra alternans*  
*Taeniothrips hawaiiensis*  
*Trogoderma insulare*  
*Zonitoides arboreus*

## HONDURAS:

*Anastrepha mombinpraeoptans*  
*Chrysomphalus umboniferus*  
*Cosmopolites sordidus*  
*Furcaspis biformis*  
*Metamasius sericeus*  
*Paromius longulus*  
*Plagioderma thymaloides*  
*Pseudischaspis alienus*  
*Pseudoparlatoria ostreata*  
*Rhinostomus barbirostris*  
*Tenthecoris vestitus*

## HONG KONG:

*Cylas formicarius formicarius*  
*Fiorinia nephelii*  
*Fulbrius brevicornis*  
*Parlatoria zizyphus*  
*Unaspis yanomensis*  
*Aonidiella inornata*  
*Callosobruchus phaseoli*  
*Caryedon fuscus*  
*Chrysomphalus pinnulifera*  
*Coccus capparidis*  
*Cylas formicarius formicarius*  
*Heterostrychnus aequalis*  
*Lyctus africanus*  
*Minthea rugicollis*  
*Sinoxylon anale*  
*Sinoxylon conigerum*  
*Stephanoderes hampei*  
*Trogoderma granarium*

## INDIA(?):

*Nephotettix bipunctatus*

## INDONESIA:

*Aspidiotus palmae*  
*Orchidophilus aterrimus*

*Parlatoria pseudaspidiotus*  
*Phenacaspis dendrobii* (tentative)

## IRAN:

*Lepidosaphes pistaciae*  
*Lepidosaphes pistaciae f. pistacicola*  
*Luzulaspis kondarensis*  
*Parlatoria camelliae*  
*Parlatoria oleae*

## IRELAND:

*Argyresthia conjugella*  
*Deroceras reticulatum*  
*Helix aspersa*  
*Lampetia equestris*  
*Orychilus allarius*  
*Thrips major*

## ISRAEL:

*Acrosternum heegeri*  
*Aspidiotus aharonii*  
*Ceratitis capitata*  
*Ceroplastes rusci*  
*Cryptoblabes gnidiella*  
*Ectomyelois ceratoniae*  
*Pyrausta nubilalis*

## ITALY:

*Acanthoscelides spinipes*  
*Acrolepia assectella*  
*Adleria kollari*  
*Aleurolobus olivinus*  
*Apion carduorum*  
*Argyresthia conjugella*  
*Arion circumscriptus*  
*Bemisia citricola(?)*  
*Brachycerus albidentatus*  
*Brachycerus algerus*  
*Bruchus ervi*  
*Bruchus signaticornis*  
*Bruchus tristis*  
*Ceratitis capitata*  
*Ceroplastes rusci*  
*Ceroplastes sinensis(?)*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*Curculio nucum*  
*Dacus oleae*  
*Deloyala guttata*  
*Deroceras reticulatum*  
*Diaspis zamiae*  
*Dyspeusa ulula*  
*Ectomyelois ceratoniae*  
*Eucalymnatus tessellatus*  
*Euleia heraclei(?)*  
*Frankliniella tenuicornis*  
*Hemimene juliana*  
*Hypera nigrirostris*  
*Iridomyrmex humilis*  
*Laspeyresia nigricana*  
*Laspeyresia splendana*  
*Lepidosaphes ficus*  
*Leucaspis riccae*  
*Limax maximus*  
*Lobesia botrana(?)*  
*Lygus gemellatus*  
*Parlatoria oleae*  
*Parlatoria zizyphus*  
*Parmena balteatus*  
*Pentodon punctatus*  
*Phloeotribus scarabaeoides*  
*Prays oleellus*  
*Pseudococcus citricus*  
*Pyrausta nubilalis*  
*Rhagoletis cerasi*  
*Spanioneura fonscolombei*  
*Spermophagus sericeus(?)*  
*Thrips major*  
*Trialetrodes lauri*  
*Trogoderma granarium*

## JAMAICA:

*Anastrepha mombinpraeoptans*  
*Aonidiella citrina*  
*Aonidiella comperei*

## Countries of Origin and Insects—Continued

## JAMAICA—Continued

*Aspidiotus destructor*  
*Asterolecanium epidendri*  
*Chrysomphalus odontoglossi*  
*Coccus viridis*  
*Cylas formicarius elegantulus*  
*Faustinus cubae*  
*Furcaspis biformis*  
*Leucaspis cockerelli*  
*Monomorium destructor*  
*Palaeopus costicollis*  
*Parlatoria proteus*  
*Pectinophora gossypiella*  
*Pseudoparlatoria ostreata*  
*Tetranychus cucurbitae*  
*Unaspis citri*  
*Vinsonia stellifera*

## JAPAN:

*Adoretus sinicus*  
*Agrotis exusta*  
*Aleurotrachelus camelliae*  
*Aleurotuberculatus aucubae*  
*Aleurotuberculatus magnoliae*  
*Aleurotuberculatus similis*  
*Aspidiotus cryptomeriae*  
*Aspidiotus degeneratus*  
*Aspidiotus destructor*  
*Aspidiotus excisus*  
*Aspidiotus pseudomeyeri*  
*Aulacaspis latissimus*  
*Barathra brassicae*  
*Bryobia cristata*  
*Callidium rufipenne*  
*Collosobruchus phaseoli*  
*Carposina niponensis*  
*Ceronema japonica(?)*  
*Ceroptastes japonicus*  
*Ceroptastes rubens*  
*Chilo suppressalis*  
*Chrysomphalus bifasciculatus*  
*Deroceras reticulatum*  
*Dichocrocis punctiferalis*  
*Ereunetis simulans*  
*Frankliniella formosae*  
*Gracilaria azalella*  
*Haplothrips gowdeyi*  
*Icerya seychellarum*  
*Lepidosaphes conchiformis*  
*Lepidosaphes kamakurenensis*  
*Lepidosaphes newsteadi*  
*Lepidosaphes pallida*  
*Lepidosaphes tuberculata*  
*Lepidosaphes tubulorum*  
*Limax marginatus*  
*Lyctozylon japonum*  
*Lyctus africanus*  
*Malacosoma neustria*  
*Maruca testulalis*  
*Morganella longispina*  
*Nipponaclerda biwakoensis*  
*Oligonychus perditus*  
*Parlatoria camelliae*  
*Parlatoria zizyphus*  
*Pentamerismus oregonensis*  
*Phyllocnistis saligna*  
*Piezodorus rubrofasciatus*  
*Pinnaaspis buzi*  
*Pinnaaspis uniloba*  
*Plusia chalcites*  
*"Poliaspis" pini*  
*Protaetia orientalis*  
*Pseudonidia clavigera*  
*Pseudonidia paenoniae*  
*Pseudococcus azaleae*  
*Pseudococcus kraunhaiae*  
*Pulbinaria psidii*  
*Pyrausta nubilalis*  
*Stephanitis nashi*  
*Stephanitis pyrioides*  
*Taeniothrips gracilis*  
*Taeniothrips hawaiiensis*  
*Trogoderma parabile(?)*  
*Unaspis yanonensis*

## JAPAN(?):

*Amblycephalus spectrus*  
*Nephotettix apicalis*  
*Prodenia litura*

## KENYA:

*Bostrychophiles cornutus*  
*Lyctus brunneus*  
*Odonaspis ruthae*

## KOREA:

*Chilo suppressalis*  
*Lepidosaphes conchiformis*

## KWAJALEIN:

*Furcaspis oceanica*  
*Pseudococcus palmarum*

## LEBANON:

*Bruchus ervi*  
*Ceratitis capitata*  
*Chrysomphalus inopinatus*  
*Lepidosaphes pistaciae*

## LIBERIA:

*Planococcus hoznyi*

## LIBYA:

*Ceratitis capitata*  
*Theba pisana*

## MADEIRA ISLANDS:

*Chrysomphalus personatus*

## MARSHALL ISLANDS:

*Lepidosaphes esakii*

## MARTINIQUE:

*Leucaspis cockerelli*

## MEDITERRANEAN REGION:

*Theba pisana*

## MEXICO:

*Acalymma trivittata*  
*Acanthoscelides griseolus(?)*  
*Aleurocanthus woglumi*  
*Aleuroglandulus emmae*  
*Aleuroparadozus gardeniae*  
*Aleuroplatus variegatus*  
*Aleurothrix floccosus*  
*Amitermes wheeleri*  
*Amphelasma decoratum*  
*Amyssonotum rastratum flexum*  
*Anacraga sofia*  
*Anaphothrips orchidaceus*  
*Anastrepha ludens*  
*Anastrepha mombinpraeoptans*  
*Anastrepha serpentina*  
*Anastrepha striata(?)*  
*Andrector atrofasciata*  
*Apion griseum*  
*Aspidiotus aesculi (tentative)*  
*Aspidiotus destructor*  
*Aspidiotus palmarum*  
*Aspidiotus popularum (tentative)*  
*Asterolecanium epidendri*  
*Aulacaspis tubercularis*  
*Batrachedra linaria*  
*Blissus pulchellus*  
*Bucculatrix thurberiella*  
*Calligrapha labyrinthica*  
*Chilo loftini*  
*Chrysomphalus agavis*  
*Chrysomphalus albopictus*  
*Chrysomphalus personatus*  
*Chrysomphalus succulata (tentative)*  
*Chrysomphalus sphaerioides*  
*Chrysomphalus tenax*  
*Chrysomphalus tingi*  
*Chrysomphalus umboniferus*  
*Coelonertius nigritrostris*  
*Conotelus mexicanus*  
*Conotrachelus aguacatae*



## Countries of Origin and Insects—Continued

## MEXICO—Continued

*Cosmopolites sordidus*  
*Cryphula apicatus*  
*Cylas formicarius elegantulus*  
*Deloyala guttata*  
*Deroceras reticulatum*  
*Diabrotica porracea*  
*Diaspis echinocacti*  
*Dinaspis aculeata*  
*Diorymerellus laevimargo*  
*Dysdercus mimus*  
*Ectomyeloides muriscis*  
*Epinotia aporema*  
*Eucalymnatus tessellatus*  
*Euetheola bidentata*  
*Eugeraeus unifasciatus*(?)  
*Eurytoma orchidearum*(?)  
*Euschistus servus*  
*Eutetranychus banksi*  
*Everes comyntas*  
*Erptochiamera albomaculata*  
*Erptochiamera confusa*  
*Erptochiamera oblonga*  
*Farinococcus olivaceus*  
*Ferrisia virgata*  
*Galgupha punctifer*  
*Galgupha quadrisignata*  
*Gnaphalodes trachyderoides*  
*Gnorimoschema gudmannella*  
*Grapholitha packardii*  
*Gymnandrosoma aurantianum*  
*Gymnococcus agavium*  
*Gynaikothrypes ficorum*  
*Helix aspersa*  
*Heterotermes converzinotatus*  
*Jadera sanguinolenta*  
*Lapazia oblecta*  
*Lepidosaphes philococcus*  
*Ligyrocotis aurivilliana*  
*Ligyrocotis nitidicollis*  
*Limax marginatus*  
*Lycophotia ornea*  
*Neoleucinodes elegantalis*  
*Neoleucon rubrotylus*  
*Nezara viridula*  
*Oebalus insularis*  
*Oedancala bimaculata*  
*Ogdoecosta catenulata*  
*Opuntiaspis carinata*  
*Orthezia pseudinsignis*  
*Oxygryllus ruginasus*  
*Ozophora concava*  
*Ozophora consanguineus*  
*Pachodynerus nasidens*  
*Pachygrontha oedancalodes*  
*Paragonatus divergens*  
*Parlatoria cinerea*  
*Paromius longulus*  
*Pectinophora gossypiella*  
*Phenacoccus gossypii*  
*Phera centrolineata*  
*Plagiodera semivittata*  
*Plagiodera thymaloides*  
*Platynota rostrana*  
*Procyptotermes hubbardi*  
*Pseudaoonidia tessarata*  
*Pseudoschnaspis alienus*  
*Pseudoschnaspis longissima*  
*Pseudococcus californensis*  
*Pseudodiaspis yuccae*  
*Pseudoparlatoria ostreata*  
*Puto mexicanus*  
*Puto ulter*  
*Reticulitermes flavipes*  
*Reticulitermes tibialis*  
*Rhagoletis juglandis*  
*Rhopalosiphum rufiabdominalis*  
*Stator limbatus*  
*Stator pruiminus*  
*Stenoma catenifer*  
*Synyrias diffundens*  
*Talponia batesi*  
*"Targionia" bromiliae*  
*Tenthecoris angustimarginatus*  
*Tenthecoris bicolor*

*Tenthecoris confusus*  
*Tetraleurodes acaciae*  
*Tetraleurodes ursorum*  
*Tetranychus desertorum*  
*Tetranychus lobosus*  
*Texananus spatulatus*  
*Thecla ziba*  
*Thyanta antiquensis*  
*Trialeurodes abutilonea*  
*Trialeurodes similis*  
*Trialeurodes tephrosiae*  
*Trialeurodes variabilis*  
*Trialeurodes vitrinellus*  
*Trogoderma glabrum*  
*Trogoderma granarium*  
*Trogoderma inclusum*  
*Trogoderma parabile*  
*Trogoderma sternale* ssp.  
*Unaspis citri*  
*Zonitoides arboreus*

## MIDWAY ISLANDS:

*Oxydema fusiforme*

## MONACO:

*Tetranychus cinnabarinus*

## MOROCCO:

*Rouhetia maroccana*  
*Gnorimoschema ocellatella*  
*Parlatoria zizyphus*  
*Theba pisana*

## NEPAL:

*Fiortnia theae*

## NETHERLANDS:

*Acrolepia assectella*  
*Adoxophyes orana*  
*Deroceras reticulatum*  
*Dialeurodes chittendeni*  
*Eriophyes canestrinii*  
*Frankliniella intonsa*  
*Gracilaria azaleella*  
*Lampetia equestris*  
*Myzus ascalonicus*  
*Ozychilus allarius*  
*Phytomyza rufipes*  
*Rhopalosiphum crataegellum*  
*Sitona lineata*  
*Taeniothrips atratus*  
*Thrips major*  
*Trogoderma granarium*  
*Tyrophagus infestans*

## NEW CALEDONIA:

*Pseudaoonidia darutyi*

## NEW GUINEA:

*Aulacaspis madiuensis*  
*Pinnaspis buri*

## NEW ZEALAND:

*Lepidosaphes tuberculata*  
*Parlatoria pseudaspidiotus*

## NICARAGUA:

*Aleurocanthus woglumi*  
*Aleurothrixus floccosus*  
*Anastrepha mombinpraeoptans*  
*Chrysomphalus umboniferus*  
*Pseudoschnaspis alienus*  
*Pseudoschnaspis longissima*  
*Stenoma catenifer*

## NIGERIA:

*Cylas femoralis*  
*Cylas puncticollis*  
*Leucinodes orbonalis*

## NORTHERN IRELAND:

*Lampetia equestris*

## NORWAY:

*Chionaspis salicis*

## Countries of Origin and Insects—Continued

## PALMYRA ISLAND:

*Agonoxena argaula*  
*Pheidole megacephala*

## PANAMA:

*Acanthoscelides armitagei*  
*Anastrepha mombinpraepians*  
*Ancylostoma stercora*  
*Aspidiotus destructor*  
*Asterolecanium epidendri*  
*Azeta versicolor*  
*Brevipalpus phoenicis*  
*Chalcodermus aeneus*  
*Chrysomphalus personatus*  
*Chrysomphalus tenax*  
*Coccus viridis*  
*Deroceras reticulatum*  
*Ectomyelois muriscis*  
*Furcaspis bifor mis*  
*Leucaspis cockerelli*  
*Nasutitermes corniger*  
*Parlatoria cinerea*  
*Parlatoria pseudaspidotus*  
*Pheidole megacephala*  
*Platynota rostrata*  
*Rhinocenus stigma*  
*Stenoma catenifer*  
*Tenthorcoris distinguendus*  
*Trogoderma sternale* ssp.  
*Unaspis citri*  
*Vinsonia stellifera*  
*Zonitoides arboreus*

## PANAMA(?):

*Chrysomphalus umboniferus*

## PARAGUAY:

*Pectinophora gossypiella*

## PERU:

*Coccus viridis*  
*Euscepes postfasciatus*  
*Helix aspersa*  
*Pagiocerus fiorii*  
*Stenoma catenifer*  
*Unaspis citri*

## PHILIPPINES:

*Aclerda yunnanensis*  
*Antonina graminis*  
*Aonidiella inornata*  
*Aspidiotus destructor*  
*Aspidiotus palmae*  
*Aulacaspis mangiferae*  
*Chrysomphalus minutus*  
*Coccus viridis*  
*Cryptophlebia ombrodelta*  
*Cylas formicarius* ssp.  
*Cylas formicarius* var.  
*Cylas formicarius formicarius*  
*Dialeurodes kirkaldyii*  
*Epilachna sparsa*(?)  
*Ferrisia virgata*  
*Laspeyresia splendana*  
*Morganella longispina*  
*Nephotettix bipunctatus*  
*Parlatoria zizyphus*  
*Phyllocnistis citrella*  
*Pseudonidia curculiginis*  
*Pseudococcus lilacinus*  
*Sternochetus mangiferae*  
*Stoeberhinus testaceus*  
*Tenuipalpus pacificus*

## POLAND:

*Aceria tulipae*  
*Limothrips denticornis*  
*Phytomyza rufipes*

## PONAPE:

*Pseudococcus pandani*  
"Targionia" bromiliae

## PORTUGAL:

*Aonidiella lauretorum*  
*Aspidiotus degeneratus*  
*Brevipalpus obovatus*  
*Bruchus guttalis*(?)  
*Caryedon fuscus*  
*Cenopalpus pulcher*  
*Ceratitidis capitata*  
*Curculio elephas*  
*Diaspis zamiae*  
*Dicyphus errans*  
*Epilaspis piricola*  
*Glycyphagus ornatus*  
*Iridomyrmex humilis*  
*Laspeyresia splendana*  
*Leucaspis pusilla*  
*Lineaspis striata*  
*Opogona subcervinella*  
*Parlatoria camelliae*  
*Pulvinaria floccifera*  
*Rhagoletis cerasi*  
*Targionia laurina*  
*Thrips angusticeps*  
*Trogoderma granarium*

## PORTUGAL(?):

*Chilo suppressalis*

## PUERTO RICO:

*Anastrepha mombinpraepians*  
*Ancylostoma stercora*  
*Coccus viridis*  
*Cylas formicarius elegantulus*  
*Diaprepes abbreviatus*  
*Euscepes postfasciatus*  
*Fundella pellucens*  
*Lechriops psidii*  
*Maruca testulalis*  
*Nasutitermes costalis*  
*Nezara viridula*  
*Pachyzancla bipunctalis*(?)  
*Pachyzancla periusalis*  
*Pulvinaria urbicola* (tentative)  
*Selenothrips rubrocinctus*  
*Trionymus sacchari*

## RHODESIA:

*Caryedon fuscus*(?)

## ST. KITTS:

*Ancylostoma stercora*  
"Targionia" hartii

## ST. LUCIA:

*Aspidiotus palmae*

## SCOTLAND:

*Frauenfeldiella jelinekii*  
*Gelechia ericetella*  
*Micrelus ericae*  
*Pseudococcus gahani*  
*Scolopostethus decoratus*  
*Taeniothrips atratus*  
*Taeniothrips ericae*  
*Thrips major*

## SIERRA LEONE:

*Cylas puncticollis*

## SINGAPORE:

*Aspidiotus destructor*  
*Cylas formicarius formicarius*  
*Furcaspis bifor mis*  
*Parlatoria zizyphus*  
*Phenacaspis dendrobii* (tentative)

## SOUTH PACIFIC:

*Pachybrachius nigriceps*  
*Parlatoria zizyphus*

## SPAIN:

*Brachycerus algerus*  
*Ceratitidis capitata*  
*Chionaspis salicis*

## Countries of Origin and Insects—Continued

## SPAIN—Continued

*Cryptoblabes gnidiella*  
*Curtulio elephas*  
*Dacus oleae*  
*Dyspessa ulula*  
*Gnorimoschema ocellatella*  
*Laspeyresia splendana*  
*Parlatoria zizyphus*  
*Rhagoletis cerasi*  
*Theba pisana*

## SUMATRA:

*Bruchus luteicornis*

## SWEDEN:

*Argyresthia conjugella*  
*Blastophagus piniperda*  
*Chionaspis salicis*  
*Myzus ascalonicus*  
*Phytomyza rufipes*  
*Pityogenes chalcographus*

## SWEDEN (?):

*Aspidiotus abietis*

## SWITZERLAND:

*Hylurgops palliatus*  
*Parlatoria camelliae*  
*Rhagoletis cerasi*  
*Stenoptilia stigmatodactyla*  
*Taeniothrips pictipes*

## TAHITI:

*Aspidiotus destructor*  
*Morganella longispina*  
*Parlatoria cinerea*

## TANGANYIKA:

*Antonina graminis*

## THAILAND:

*Cylas formicarius* ssp.  
*Cylas formicarius formicarius*  
*Parlatoria citri*  
*Parlatoria zizyphus*  
*Phenacoccus hirsutus*

## TORTOLA:

*Ancylostoma stercorea*  
*Haplothrips gowdeyi*

## TRINIDAD:

*Aganactesis indecora*  
*Anastrepha mombinpraeoptans* (?)  
*Asterolecanium miliaris miliaris*  
*Coccus viridis*  
*Ectomyelois ceratoniae*  
*Furcaspis biformis*  
*Neodryocoetes guianae*  
*Parlatoria cinerea*  
*Pentalonia nigronervosa*  
*Protopulvinaria pyriformis*  
*Pseudaonidia trilobitiformis*  
*Stenomoma decora*  
*Vinsonia stellifera*

## TUNISIA:

*Ceratitis capitata*  
*Parlatoria zizyphus*

## TURKEY:

*Curtulio elephas*

## UNION OF SOUTH AFRICA:

*Callosobruchus phaseoli*  
*Cenaesus pectoralis*  
*Ceratitis capitata* (?)  
*Epichorista ionephela*  
*Frankliniella schultzei*  
*Iridomyrmex humilis*  
*Ischnodemus diplopterus*  
*Olethreutes leucotreta*  
*Phlyctinus callosus*  
*Pseudothrips glaucus* (?)  
*Raglius apicalis*  
*Trogoderma granarium*

## UNKNOWN:

*Acrolepia assectella*  
*Adoretus sinicus*  
*Argyresthia conjugella*  
*Bruchus tristis*  
*Cylas formicarius formicarius*  
*Dacus dorsalis*  
*Dacus oleae* (?)  
*Ectomyelois ceratoniae*  
*Eurytoma plotnikovi*  
*Metamasius sericeus*  
*Parlatoria cinerea*  
*Parlatoria zizyphus*  
*Rhagoletis cerasi*  
*Taeniothrips atratus*  
*Trionymus lounsburyi*  
*Trogoderma granarium*  
*Trogoderma parabile*  
*Unaspis yanonensis*

## VENEZUELA:

*Aganactesis indecora*  
*Asterolecanium bambusae*  
*Asterolecanium epidendri*  
*Asterolecanium miliaris miliaris*  
*Chrysomphalus personatus*  
*Chrysomphalus propeus* (as defined by McKenzie)  
*Cryptoblabes gnidiella*  
*Deroceras reticulatum*  
*Ectomyelois muriscis*  
*Furcaspis biformis*  
*Noropsis hieroglyphica*  
*Phelomerus aberrans*  
*Pseudischinaspis alienus*  
*Rupela tinctella*  
*Stenomoma catenifer*

## VIETNAM:

*Sternonchetus mangiferae*

## WEST PACIFIC:

*Euxoa spinifera*  
*Lethocerus indicus*  
*Prodenia litura*

## YUGOSLAVIA:

*Ectomyelois ceratoniae*  
*Frankliniella intonsa*  
*Pyrausta nubilalis*



Pests Collected and Reported From July 1, 1957, Through June 30, 1958

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
† <i>Allantonectria mitlina</i> (Mont.) Weese: <i>Agave</i> sp. ....	Mexico.....			1	Ariz.
<i>Alternaria citri</i> Ell. & Pierce: <i>Citrus limon</i> (lemon) .....	Italy.....		1		Calif.*
<i>Alternaria dianthi</i> F. L. Stevens & J. G. Hall: <i>Dianthus</i> sp. ....	England.....			1	Mass.
<i>Aphelenchoides fragariae</i> (Ritzema Bos) Christie(?) <i>Bletilla hyacinthina</i> (orchid) .....	†Japan, Netherlands.....			2	N.J.
† <i>Ascochyta cucumis</i> Fautr. & Roum.(?): <i>Secchium edule</i> (chayote) .....	Mexico.....	1			Ariz.
<i>Ascochyta pisi</i> Lib.: <i>Pisum sativum</i> (pea) .....	Italy, Japan, †Portugal.....	1	2		N.Y., Wash.
† <i>Aspergillus mangini</i> (Mangin) Thom & Raper: <i>Oryza sativa</i> (rice) .....	Portugal.....	1			P.R.
<i>Asperisporium caricae</i> (Speg.) Maubl.: <i>Carica papaya</i> (papaya) .....	Brazil, Mexico.....	3			P.R., Tex.
† <i>Asterinella epidendri</i> (Rehm) Theiss.: <i>Epidendrum</i> sp. (orchid) .....	Mexico.....			1	Tex.
<i>Botryosphaeria berengeriana</i> de N. var. <i>araucariae</i> Sacc.: <i>Araucaria araucana</i> .....	Italy.....			1	N.J.
† <i>Botryosphaeria palmigena</i> (Berk. & Cke.) Bomm. & Rous.: <i>Chamaedorea</i> sp. ....	Mexico.....			1	Tex.
<i>Botryosphaeria ribis</i> Gross. & Dug.: <i>Delonix regia</i> (royal poinciana) .....	Unknown.....	1			N.Y.
<i>Botrytis gladiolorum</i> Timmerm.: <i>Gladiolus</i> sp. ....	Japan, Mexico, Netherlands, Venezuela.....	2		28	Calif., Calif.* N.J., N.Y.
<i>Ceratocystis narcissii</i> (Limber) J. Hunt: <i>Narcissus</i> sp. ....	England, Germany, New Zealand.....			6	N.J.
<i>Cercospora angraeci</i> Feuill. & Roum.: <i>Epidendrum citiare</i> (orchid) .....	Mexico.....			1	Tex.
<i>Odontoglossum hallii</i> (orchid) .....	do.....			1	Tex.
<i>Oncidium lamelligerum</i> (orchid) .....	†Ecuador.....			1	Calif.*
<i>Orchid</i> .....	Mexico.....			1	Tex.
<i>Cercospora canescens</i> Ell. & G. Martin: <i>Phaseolus vulgaris</i> var. (string bean) .....	Puerto Rico.....	1			P.R.
<i>Cercospora coffeicola</i> Berk. & Cke.: <i>Coffea</i> sp. (coffee) .....	Brazil, †El Salvador.....	1		1	La., Tex.
† <i>Cercospora columnaris</i> Ell. & Ev.: <i>Phaseolus vulgaris</i> .....	Puerto Rico.....	1			P.R.
† <i>Cercospora cyripedii</i> Ell. & Dearn.: <i>Sobralia xantholeuca</i> (orchid) .....	Guatemala.....			1	Tex.
<i>Cercospora gossypina</i> Cke.: <i>Gossypium</i> sp. (cotton) .....	Mexico.....	1			Tex.
<i>Cercospora handelii</i> Bub.: <i>Rhododendron</i> sp. ....	Netherlands.....			9	N.J., N.Y.
<i>Cercospora insulana</i> Sacc.: <i>Armeria</i> sp. (statice) .....	Mexico, †Peru.....	2			Fla., Tex.
<i>Cercospora musae</i> Zimm.: <i>Musa paradisica sapientum</i> (banana) .....	Panama.....	1			S.C.
<i>Cercospora neriella</i> Sacc.: <i>Nerium oleander</i> (oleander) .....	Bermuda.....			1	Va.
† <i>Cercospora odontoglossi</i> Prill. & Delac.: <i>Oncidioda</i> sp. (orchid) .....	Mexico.....			1	Tex.
† <i>Cercospora puderi</i> B. H. Davis: <i>Rosa</i> sp. ....	do.....	1			Tex.
<i>Cercospora purpurea</i> Cke.: <i>Persea americana</i> (avocado) .....	do.....	1			Tex.
<i>Cerebella andropogonis</i> Ces.: <i>Paspalum dilatatum</i> (Dallis grass) .....	Australia, New Zealand.....			2	Ill., S.C.
† <i>Cerotelium fici</i> (Butl.) Arth.: <i>Ficus carica</i> (fig) .....	Ecuador.....	1			Fla.
† <i>Chalaropsis thielapiopsis</i> Peyronel: <i>Astilbe</i> sp. ....	Netherlands.....			1	N.J.
<i>Chlamydomyces palmarum</i> (Cke.) Mason: <i>Oryza sativa</i> (rice) .....	Japan.....		1		Calif.*

See footnotes at end of table.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Chrysomya ledi</i> d By. var. <i>rhododendri</i> (d By.) Savile:					
<i>Rhododendron ferrugineum</i> (rock rhododendron).	Switzerland	25		1	N.J., N.Y., Wash.
<i>Rhododendron hirsutum</i> (garland rhododendron).	Austria, Switzerland	2			N.J.
<i>Rhododendron pemakoense</i>	†Canada			1	Wash.
<i>Rhododendron 'Racil'</i>	do			1	Wash.
<i>Rhododendron radicans</i> (rockmantle rhododendron).	do			1	Wash.
<i>Rhododendron 'Tessa'</i>	do			1	Wash.
<i>Rhododendron</i> sp.	Germany, Switzerland	5		5	Calif.,* D.C., Ill., N.J., N.Y., Va.
<i>Chrysomya ledicola</i> Laghr.:					
<i>Picea mariana</i> (black spruce)	Canada			1	N.J.
<i>Cladosporium orchidearum</i> Cke. & Mass.:					
<i>Cattleya citrina</i> (orchid)	Mexico			1	Tex.
† <i>Coleosporium asterum</i> (Diet.) Syd.:					
<i>Callistephus chinensis</i> (China-aster)	Cuba	1			Fla.
<i>Coleosporium ipomoeae</i> (Schw.) Burr.:					
<i>Ipomoea</i> sp.	Mexico	1			Tex.
† <i>Colletotrichum crassipes</i> (Speg.) Arx:					
<i>Crataegus</i> sp.	El Salvador	1			Tex.
<i>Colletotrichum dematium</i> (Fr.) Grove:					
<i>Capsicum frutescens</i> (pepper)	Mexico, Union of South Africa	2			N.Y., Tex.
<i>Hedera helix</i> (ivy)	England		1		Mass.
<i>Hedera</i> sp.	do		1	1	Mass., N.Y.
<i>Rheum rhaponticum</i> (rhubarb)	Canada			1	N.Y.
<i>Colletotrichum dematium</i> (Fr.) Grove f. <i>circinans</i> (Berk.) Arx:					
<i>Allium porrum</i> (leek)	†Japan		1		Calif.*
<i>Colletotrichum graminicola</i> (Ces.) G. W. Wils.:					
<i>Arundinaria</i> sp.	†Portugal			1	D.C.
<i>Brachypodium</i> sp.	Italy			1	D.C.
Straw—cereal	Portugal	1			S.C.
<i>Triticum aestivum</i> (wheat)	do	1			N.Y.
<i>Colletotrichum musae</i> (Berk. & Curt.) Arx:					
<i>Musa paradisiaca sapientum</i> (banana)	Brazil	1			P.R.
† <i>Coniothecium agaves</i> Petr.:					
<i>Agave</i> sp.	Mexico			1	Tex.
<i>Coniothecium scabrum</i> McAlp.:					
<i>Citrus limon</i> (lemon)	Italy	1			N.Y.
<i>Coniothyrium cytisellum</i> (Pass. & Thuern.) Sacc.:					
<i>Laburnum watereri</i> (waterer laburnum)	Netherlands			3	N.J.
† <i>Coniothyrium diplodiella</i> (Speg.) Sacc.:					
<i>Vitis</i> sp. (grape)	Denmark			1	Calif.*
† <i>Coniothyrium globuliformis</i> Speg.:					
Cactus plants	Mexico			1	Tex.
<i>Coniothyrium hellebori</i> Cke. & Mass.:					
<i>Helleborus niger</i> (Christmas-rose)	Germany, Italy, Netherlands			3	N.J., N.Y., Pa.
<i>Helleborus</i> sp.	Netherlands			1	N.Y.
† <i>Coniothyrium socium</i> Pass. & Beltr. (?):					
Palm	Mexico	1			Mass.
† <i>Coniothyrium stanhoepae</i> P. Henn.:					
<i>Stanhopea bucephalus</i> (orchid)	Canal Zone			1	Fla.
<i>Corynespora casicola</i> (Berk. & Curt.) Wei:					
<i>Lycopersicon esculentum</i> (tomato)	Mexico		1		La.
† <i>Coryneum carpophilum</i> (Lev.) Jauch:					
<i>Prunus tenella</i>	Canada			1	N.J.
<i>Criconeoides zenoplax</i> Raski:					
<i>Juniperus</i> sp.	Japan			1	Wash.
<i>Cryptospora longispora</i> Servazzi:					
<i>Araucaria excelsa</i> (Norfolk-Island-pine)	Australia, Norfolk Island			12	Calif.,* D.C., Fla., N.J.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
† <i>Cumminsia mirabilissima</i> (Pk.) Nannf.: <i>Mahonia</i> sp.....	England(?)		1		Mass.
† <i>Curcularia geniculata</i> (Tracy & Earle) Boed.: <i>Areca cathecu</i> (betel palm).....	Pakistan	1			D.C.
<i>Curcularia lunata</i> (Wakk.) Boed.: <i>Capiscum frutescens longum</i> (chili pepper).....	Mexico	1			Tex.
† <i>Cylindrocarpon radicola</i> Wr.: <i>Cotinus coggygia</i> .....	Netherlands		1		N.J.
† <i>Cytospora chrysosperma</i> Fr.: <i>Populus</i> sp.....	Canada		1		Wash.
† <i>Dendrophoma cytosporoides</i> Sacc. var. <i>punicina</i> Sacc.: <i>Punica granatum</i> (pomegranate).....	Spain	1			N.Y.
† <i>Diaporthe arctii</i> (Lasch) Nits.: <i>Cocos nucifera</i> (coconut).....	Christmas Island	1			Hawaii
† <i>Diaporthe eres</i> Nits.: <i>Ilex</i> sp.....	England		1		D.C.
† <i>Diaporthe oncostoma</i> (d By.) Fekl.: <i>Parkinsonia aculeata</i> .....	Uruguay		1		Calif.*
<i>Didymellina ornithogali</i> Jacques: <i>Ornithogalum thyrsoides</i> (chinkeriechee).....	Union of South Africa	2			Mass.
<i>Diplodia circinans</i> Berk. & Br.: <i>Yucca</i> sp.....	Mexico		1		Ariz.
<i>Diplodia coccocarpa</i> Sacc.: <i>Cocos nucifera</i> (coconut).....	†Canal Zone, Hawaii, Mexico.	4			Calif.*
<i>Diplodina eurhododendri</i> Voss: <i>Rhododendron</i> sp.....	Netherlands		1		N.Y.
<i>Diplodina leucothoe</i> (P. Henn.) Died.: <i>Leucothoe catesbaei</i> .....	do		1		N.J.
<i>Discohainestia oenotherae</i> (Cke. & Ell.) Nannf.: <i>Bergenia cordifolia</i> .....	do		1		N.J.
<i>Paeonia suffruticosa</i> (tree peony).....	Japan		1		N.J.
<i>Paeonia</i> sp.....	Japan, Netherlands		2		N.J., Pa.
<i>Rhododendron ferrugineum</i> (rock rhododendron).	Switzerland		1		N.J.
<i>Ditylenchus dipsaci</i> (Kuhn) Filip.: <i>Allium sativum</i> (garlic).....	Mexico	2			Ariz.
<i>Iris</i> sp.....	Netherlands		1		Pa.
<i>Narcissus</i> sp.....	England, Scotland		9		N.J.
<i>Elsinoe australis</i> Bitanc. & Jenkins: <i>Citrus aurantifolia</i> (lime).....	Unknown		1		Calif.*
<i>Citrus limon</i> (lemon).....	Argentina, Brazil, unknown.	4	4		Calif.,* Fla., Mass., N.Y., Pa., Tex.
<i>Citrus paradisi</i> (grapefruit).....	Brazil		3		Calif.,* Pa., Tex.
<i>Citrus reticulata</i> (Mandarin orange).....	do	1			N.Y.
<i>Citrus sinensis</i> (orange).....	Argentina, Brazil, unknown.	2	36		Fla., La., Md., Mass., N.Y., Pa., S.C., Tex.
<i>Elsinoe mangiferae</i> Bitanc. & Jenkins: <i>Mangifera indica</i> (mango).....	Cuba, †Guatemala, Honduras, unknown.	8	1		N.Y.
<i>Elsinoe phaseoli</i> Jenkins: <i>Phaseolus lunatus</i> (civet bean).....	Puerto Rico	1			Ill.
<i>Phaseolus lunatus macrocarpus</i> (lima bean).....	do	2			Ill.
<i>Entyloma oryzae</i> Syd. & P. Syd.: <i>Oryza sativa</i> (rice).....	Japan		5		Calif.*
<i>Ezobasidium vaccinii</i> (Fekl.) Wor.: <i>Rhododendron indicum</i> .....	Belgium		1		N.Y.
<i>Fusarium oxysporum</i> Schlecht. f. <i>gladioli</i> (Massey) Syd. & Hans.: <i>Freesia</i> sp.....	England		1		N.Y.
<i>Gladiolus</i> sp.....	Mexico		1		Calif.
<i>Fusicoccum galericulatum</i> (Tul.) Sacc.: <i>Fagus sylvatica</i> (European beech).....	Netherlands		1		N.J.

See footnotes at end of table.



Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
† <i>Geotrichum candidum</i> Lk.: <i>Lycopersicon esculentum</i> (tomato).....	Mexico.....	1			Ariz.
† <i>Gothholdsteineria goodii</i> (Loof & Oostenbrink) Andrassy: Soil with unknown plants.....	Ireland.....			1	Mass.
"Greasy spot": <i>Citrus reticulata</i> (Mandarin orange).....	Mexico.....	1			Tex.
<i>Citrus sinensis</i> (orange).....	do.....	1			Tex.
† <i>Griphosphaeria corticola</i> (Fckl.) Hoehn.: <i>Rosa</i> sp.....	Germany.....			1	N.Y.
<i>Guignardia traversi</i> (Cav.) Lind.: <i>Stanhopea</i> sp. (orchid).....	Mexico.....			1	Tex.
<i>Gymnosporangium haraezanum</i> Syd.: <i>Juniperus chinensis</i> (Chinese juniper).....	Japan.....			3	Calif.*
† <i>Helicotylenchus erythrinae</i> (Zimmerman) Golden: Soil with garlic.....	Ireland.....			1	Mass.
Soil with unknown plants.....	Mexico.....			1	Tex.
† <i>Helicotylenchus multicinctus</i> (Cobb) Golden: Soil with roots of banana plants.....	Cuba.....			1	Fla.
<i>Helicotylenchus nannus</i> Steiner: Soil with begonia plants.....	Mexico.....			2	Ariz.
Soil with carnation plants.....	do.....			1	Tex.
Soil with coleus plants.....	do.....			1	Ariz.
Soil with herbaceous plant.....	do.....			1	Tex.
Soil with mint plant.....	do.....			1	Tex.
Soil with unknown plants.....	do.....			3	Ariz., Tex.
Soil with unknown roots.....	Netherlands.....			1	Fla.
<i>Hendersonia opuntiae</i> Ell. & Ev.: <i>Pachycereus marginatus</i> (organpipe cactus).....	Mexico.....			1	Ariz.
† <i>Hendersonia oryzae</i> Miyake: <i>Oryza sativa</i> (rice).....	India.....	1			Calif.*
<i>Hendersonia piriformis</i> Otth.: <i>Fagus sylvatica</i> (European beech).....	Netherlands.....			2	N.J.
<i>Heterodera arenae</i> Eidam: Soil.....	†Czechoslovakia.....	1			N.Y.
Soil with automobiles.....	England, Europe (country(?)), Germany.....	4			Fla., Md., Wash.
Soil with carnation plants.....	Germany.....			1	N.Y.
Soil with cypress and juniper plants.....	England.....			1	N.J.
Soil with dahlia roots.....	do.....			1	N.J.
Soil with garlic.....	Italy.....	2			N.Y.
Soil with onions.....	Spain.....	2			N.Y.
Soil with <i>Ornithogalum saundersiae</i> .....	Israel.....			1	N.Y.
Soil with potatoes.....	England.....		1		Tex.
Soil with primrose plant.....	do.....			1	N.Y.
Soil with spruce seedlings.....	Germany.....			1	N.J.
Soil with unknown plants.....	Germany, Italy.....			2	N.Y.
<i>Heterodera cacti</i> Filip. & Schurr. Stek.: Soil.....	Mexico.....	3		1	Ariz., Tex.
Soil with acacia plant.....	do.....			1	Ariz.
Soil with <i>Aloe gasterioides</i> plants.....	do.....			1	Tex.
Soil with aloe plant.....	do.....			1	Tex.
Soil with amaryllis bulbs.....	do.....	1			Ariz.
Soil with avocado and begonia plants.....	do.....			1	Tex.
Soil with begonia plants.....	do.....			2	Tex.
Soil with begonia and portulaca cuttings.....	do.....			1	Ariz.
Soil with bougainvillea plants.....	do.....			2	Ariz., Tex.
Soil with bromeliad.....	do.....			1	Tex.
Soil with <i>Bryophyllum</i> sp. plants.....	do.....	1			Fla., Tex.
Soil with bulbs.....	do.....			1	Tex.
Soil with cactus plants.....	England, Mexico, †Venezuela.....	1	1	43	Ala., N.Y., Pa., Tex.
Soil with cactus and ground-moss plants.....	Mexico.....			1	Tex.
Soil with cactus and succulent plants.....	do.....			1	Tex.
Soil with caladium plants.....	Mexico, †Trinidad.....			3	Ariz., Va.
Soil with carnation plant.....	Mexico.....			1	Tex.
Soil with <i>Cereus</i> sp., portulaca, and spiderwort plants.....	do.....			1	Tex.
Soil with coleus plants.....	do.....			1	Ariz.
Soil with cuttings.....	do.....			1	Tex.
Soil with empty trailer.....	do.....		1		Tex.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Heterodera cacti</i> Filip. & Schurr. Stek.—Con.					
Soil with fern plants	Mexico	1		3	Ariz., Tex.
Soil with feverfew roots	do	1			Tex.
Soil with garlic	Argentina, Mexico	20			N.Y., Pa., Tex.
Soil with geranium plants	Mexico		1	2	Tex.
Soil with gladiolus corms	do			1	Tex.
Soil with herbaceous plants	do	1		1	Tex.
Soil with herbaceous and mint plants	do			1	Tex.
Soil with India rubber tree	do			1	Tex.
Soil with ivy plant	do			1	Tex.
Soil with leaf mold	do			1	Tex.
Soil with lilac plant	do			1	Tex.
Soil with mint plants	do	1		2	Ariz., Calif., Tex.
Soil with narcissus bulbs	Japan			1	N.Y.
Soil with orange lycoris bulbs	do			1	N.Y.
Soil with oxalis plants	Mexico	1			Tex.
Soil with palm plant	do			2	Ariz., Tex.
Soil with pampas grass plants	do			1	Tex.
Soil with pansy plants	do			1	Ariz.
Soil with passion vine plants	do			1	Ariz.
Soil with peperomia and sprenger asparagus plants	do			1	Tex.
Soil with petunia plant	do			1	Ariz.
Soil with poinsettia plants	do	1			Tex.
Soil with portulaca plants	do	1		4	Tex.
Soil with potatoes	do	1	8		Tex.
Soil with pothos (?) plant	do			1	Tex.
Soil with railway car	do		3		Tex.
Soil with rosa-de-montana plant	do			1	Tex.
Soil with rue plant	do			1	Tex.
Soil with <i>Sedum</i> sp. plant	do			1	Tex.
Soil with selaginella plants	do			1	Tex.
Soil with spearmint plants	do	1			Tex.
Soil with spiderwort plants	do			1	Ariz.
Soil with succulent plants	do			6	Tex.
Soil with taro plant	do			1	Tex.
Soil with tree stump	do	1			Tex.
Soil with tuberose bulbs	do			2	Ariz., Tex.
Soil with unknown plants	do			34	Ariz., Tex.
Soil with wandering-jew plant	do			1	Tex.
Soil with yarrow plants	do			1	Tex.
<i>Heterodera humuli</i> Filip.:					
Soil with hop roots	England, †Germany			2	N.J.
<i>Heterodera punctata</i> Thorne:					
Soil with Araceae root	England			1	Fla.
Soil with automobiles	Belgium, England, Europe (country(?)), Germany.	9			Fla., Mass., N.Y., Tex., Wash.
Soil with cypress and juniper plants	England			2	N.J.
Soil with dahlia roots and gladiolus corms	France			1	N.Y.
Soil with fuchsia, gardenia, and geranium roots	England			1	N.J.
Soil with gardenia plants	Germany			1	N.J.
Soil with grass sod	Unknown			1	N.Y.
Soil with leeks	Netherlands		1		Md.
Soil with potatoes	England, Mexico		4	1	N.Y., Tex.
Soil with primrose plant	England			1	N.Y.
Soil with rubber plants	Mexico			1	Tex.
Soil with sweetpotatoes	do	1			Ariz.
Soil with track shoes	Ireland	1			N.Y.
Soil with tuberous begonia	Mexico	1		2	Ariz.
Soil with unknown plants	Germany, Mexico			3	N.Y., Tex.
<i>Heterodera rostochiensis</i> Wr.:					
Soil with acacia plant	Mexico			1	Ariz.
Soil with agave plants	do			1	Tex.
Soil with automobiles	Germany	5			Ala., La., Tex., Wash.
Soil with beets	England, Germany		2		Tex., Wash.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	County of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Heterodera rostochiensis</i> Wr.—Con.					
Soil with bromelia plants, lily bulbs, and mint plants.	Mexico			1	Tex.
Soil with cactus plant.	Scotland			1	Mass.
Soil with carnation and geranium plants.	Mexico			1	Tex.
Soil with carrot root.	Denmark		1		Tex.
Soil with cypress and juniper plants.	England			1	N.J.
Soil with dahlia roots.	England, Scotland			4	Ill., Mass., N.J.
Soil with fern plant.	Mexico			1	Ariz.
Soil with geranium plant.	do.			1	Tex.
Soil with grass sod.	British Isles			1	N.Y.
Soil with heather plant.	Scotland			1	N.J.
Soil with horseradish.	Germany		3		Mid., Va.
Soil with lavender and mint plants.	England			1	N.Y.
Soil with lily bulbs.	Mexico			1	Tex.
Soil with parsnip root.	England		1		Tex.
Soil with potatoes.	Argentina, England, Ireland, †Malta, Peru, Sweden.	3	7	1	Calif., * Fla., Ill., La., Md., Mass., N.Y.
Soil with primrose plants.	Scotland			1	Mass.
Soil with shamrock plants.	Ireland	1		1	Calif., * N.Y.
Soil with strawberry plant.	Scotland			1	D.C.
Soil with unknown plants.	Ireland, Mexico			4	Mass., Tex.
Soil with zephyrily plants.	Mexico			1	Tex.
<i>Heterosporium iridis</i> (Faut. & Roum.) Jacques:					
<i>Iris germanica</i> (German iris).	New Zealand			1	Calif.*
<i>Heterosporium ornithogali</i> (Klotzsch) Cke.:					
<i>Ornithogalum thyrsoides</i> (chinkerichee)	Union of South Africa	2			Ga., N.J.
<i>Lembosia rolfsii</i> Horne:					
<i>Miltonia endresii</i> (orchid)	Costa Rica			1	Hawaii.
"Leptosis":					
<i>Citrus sinensis</i> (orange)	Mexico	3			Ariz., Tex.
† <i>Leptosphaeria eustomoides</i> Sacc.:					
<i>Triticum</i> sp.	Belgium, Japan	1	4		Calif.*
† <i>Leptosphaeria michotii</i> (West.) Sacc.:					
<i>Oryza sativa</i> (rice)	Japan			1	Calif.*
<i>Leptosphaeria oryzae</i> Sacc.:					
<i>Oryza sativa</i> (rice)	do.	4	19		Calif.*
<i>Leptosphaeria rusci</i> (Wallr.) Sacc.:					
<i>Ruscus</i> sp.	Italy	10	5		Pa.
<i>Macrophoma araucariae</i> De Lac.:					
<i>Araucaria cunninghamii</i>	†New Guinea			1	Calif.*
<i>Araucaria excelsa</i> (Norfolk-Island-pine)	Australia, Bermuda, Norfolk Island.			5	Calif.*
<i>Macrophoma cocos</i> Pass.:					
<i>Cocos nucifera</i> (coconut)	†American Samoa, †Guam, Hawaii, †Japan, Mexico.	11		1	Calif.*
<i>Macrophoma musae</i> (Cke.) Berl. & Vogl.:					
<i>Musa paradisiaca sapientum</i> (banana).	Hawaii, unknown	1	1		Calif.*
<i>Musa</i> sp.	Costa Rica	1			Calif.*
† <i>Melampsora paradoxa</i> Diet. & Holw.(?):					
<i>Salix</i> sp. (willow)	Mexico	1			Ariz.
<i>Meloidogyne arenaria</i> (Neal) Chitwood:					
<i>Begonia</i> sp.	Mexico, †New Guinea			2	Calif., * Tex.
<i>Berberis thunbergii</i> (Japanese barberry)	Japan			1	Calif.*
Cactus.	Mexico			1	Tex.
<i>Caladium 'Candidum'</i>	Guatemala			3	N.J.
<i>Caladium</i> sp.	Japan, Mexico			2	Calif., * Tex.
<i>Calathea</i> sp.	Mexico			1	Tex.
<i>Colocasia</i> sp.	do.			1	Tex.
<i>Dahlia</i> sp.	Japan			2	Calif.*
<i>Freesia</i> sp.	do.			1	N.Y.
<i>Gladiolus gandavensis</i>	do.			1	Calif.*
<i>Gladiolus</i> sp.	do.			15	Calif., * N.Y.
<i>Iris kaempferi</i> (Japanese iris)	do.			1	N.J.
<i>Maranta</i> sp.	Mexico			1	Tex.
<i>Solanum tuberosum</i> (potato).	Argentina.		1		Pa.

See footnotes at end of table.



Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Meloidogyne arenaria</i> (Neal) Chitwood—Con.					
<i>Zantedeschia aethiopica</i> (calla lily)	Japan			1	N.J.
<i>Zingiber officinale</i> (ginger)	Canal Zone			1	Fla.
<i>Zingiber</i> sp.	Mexico			1	Tex.
<i>Meloidogyne hapla</i> Chitwood:					
<i>Apium graveolens</i> (celery)	England		2		Pa.
<i>Dahlia</i> sp.	Australia, Japan			3	Calif.*
<i>Geranium endressi</i>	England, Netherlands			2	N.J., N.Y.
<i>Oreocharis primuloides</i>	Canada			1	N.J.
<i>Paeonia mlokosewitschii</i>	England			1	N.J.
<i>Paeonia suffruticosa</i> (tree peony)	Japan			1	N.J.
<i>Pastinaca sativa</i> (parsnip)	Germany		1		Va.
<i>Rosa multiflora</i> (Japanese rose)	Netherlands			1	N.J.
Soil	Mexico	1			Ariz.
<i>Weigela hortensis</i> 'Manelys'	Netherlands			1	N.J.
<i>Meloidogyne incognita</i> (Kofoid & White) Chitwood:					
<i>Apium graveolens</i> (celery)	†Singapore		1		Mass.
<i>Beta vulgaris</i> (beet)	Mexico, West Africa	8	1		La., Tex.
<i>Brassica rapa</i> (turnip)	Mexico		2		Tex.
<i>Daucus carota</i> (carrot)	do		2		Tex.
<i>Ipomoea batatas</i> (sweet potato)	Peru		1		La.
<i>Kleinia cylindrica</i>	Union of South Africa			1	Calif.*
<i>Lactuca sativa</i> (lettuce)	French West Africa		1		Mass.
<i>Polianthes</i> sp.	Canal Zone			1	Tex.
Soil with portulaca plants	Mexico			1	Ariz.
<i>Solanum tuberosum</i> (potato)	Argentina, Bermuda, Italy, Peru	1	3		La., Mass.
<i>Meloidogyne incognita</i> (Kofoid & White) Chitwood(?):					
<i>Polianthes tuberosa</i> (tuberose)	Israel			1	N.Y.
<i>Meloidogyne incognita</i> (Kofoid & White) Chitwood acrita Chitwood:					
<i>Agapanthus</i> sp.	Japan			1	Hawaii.
<i>Aloe</i> sp.	Mexico			1	Tex.
<i>Apium graveolens</i> (celery)	†Colombia		1		Tex.
<i>Artocarpus</i> sp.	Cuba			1	Fla.
<i>Canna</i> sp.	Mexico			1	Tex.
<i>Cichorium</i> sp.	French West Africa		1		Mass.
<i>Echeveria gibbiflora metallica</i>	Brazil			1	D.C.
<i>Epimedium</i> spp.	†England			1	N.J.
<i>Gladiolus</i> sp.	Japan			3	Calif.*
<i>Iris kaempferi</i> (Japanese iris)	Japan			1	N.J.
<i>Jasminum nudiflorum</i>	do			1	Calif.*
<i>Lactuca sativa</i> (lettuce)	French West Africa, †Trinidad		2		Mass.
<i>Lilium</i> sp. (lily)	Cuba			1	Fla.
<i>Monstera deliciosa</i>	Mexico			1	Tex.
<i>Ophiopogon japonica</i> (dwarf lilyturf)	Brazil			1	D.C.
<i>Rhapis</i> sp.	Mexico			1	Tex.
<i>Sansevieria laurentii</i>	do			1	Tex.
Soil with <i>Anemopsis californica</i> (?) plant	do			1	Ariz.
<i>Solanum tuberosum</i> (potato)	Brazil, †India		3		Pa.
Unknown plant	Brazil			1	D.C.
<i>Zantedeschia Elliottiana</i> (golden calla lily)	Japan			1	N.J.
<i>Meloidogyne javanica</i> (Treub.) Chitwood:					
<i>Aloe schellpii</i>	†Kenya			1	Calif.*
<i>Begonia</i> sp.	Mexico			1	Tex.
Cactus	do			1	Tex.
<i>Cichorium</i> sp.	†French West Africa		1		Fla.
<i>Colocasia esculenta</i> (dasheen)	Cuba	1			Mass.
<i>Dahlia</i> sp.	Australia			1	Calif.*
<i>Daucus carota</i> (carrot)	†Fiji Islands		1		Md.
<i>Euphorbia polycantha</i>	Kenya			1	Calif.*
<i>Euphorbia</i> sp.	do			1	Calif.*
<i>Freesia</i> sp.	Italy			1	N.J.
<i>Gerbera</i> sp.	Jamaica			1	Fla.
<i>Malpighia</i> sp.	†Puerto Rico			1	D.C.
<i>Phaseolus</i> sp.	Mexico	1			Calif.*
<i>Polianthes tuberosa</i> (tuberose)	†Israel			1	N.Y.
<i>Roscoea</i> sp.	India			1	Calif.*

See footnotes at end of table.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Meloidogyne javanica</i> (Treub.) Chitwood—Con.					
<i>Solanum tuberosum</i> (potato)	Brazil, Egypt		3		Pa.
<i>Tabebuia chrysotricha</i>	Brazil			1	D.C.
<i>Thomsonia nepalensis</i>	India			1	N.J.
<i>Viola</i> sp.	Hawaii			1	Calif.*
<i>Zantedeschia aethiopica</i> (calla lily)	France, Italy		7		N.J., Va.
<i>Memnoniella echinata</i> (Riv.) Gall.					
<i>Musa paradisiaca sapientum</i> (banana)	Honduras			1	N.J.
Palm	†French West Africa	1			Tex.
<i>Solanum tuberosum</i> (potato)	Belgium, England		2		Calif.*
<i>Zingiber officinale</i> (ginger)	China	1			Calif.*
<i>Micropeltis bakeri</i> (Syd.) Cash & Watson:					
<i>Oncidium</i> sp. (orchid)	Mexico			1	Tex.
Orchid	Surinam			1	P.R.
† <i>Microthyriella rubi</i> Petr.:					
<i>Rubus</i> sp.	France		3		Mass.
<i>Monilinia fructigena</i> (Aderh. & Ruhl.) Honey:					
<i>Malus sylvestris</i> (apple)	England, France, Spain		3		Pa.
<i>Monochaetia compta</i> (Sacc.) Allesch.:					
<i>Rosa multiflora japonica</i>	Netherlands			2	N.J.
<i>Mycosphaerella catilleyae</i> Cash & Watson:					
<i>Epidendrum</i> sp. (orchid)	Mexico			1	Tex.
<i>Mycosphaerella clintoniana</i> House:					
<i>Rhododendron</i> sp.	England			1	N.Y.
† <i>Mycosphaerella coffeicola</i> (Cke.) Stevenson & Wellman:					
<i>Coffea</i> sp.	Portugal			1	Mass.
<i>Mycosphaerella fragariae</i> (Tul.) Lindau:					
<i>Fragaria</i> sp. (strawberry)	Germany			1	D.C.
<i>Mycosphaerella opuntiae</i> Ell. & Ev.:					
<i>Astrophytum</i> spp.	Mexico			1	Tex.
Cactus	do			1	Tex.
<i>Mycosphaerella rosigena</i> (Ell. & Ev.) Lindau:					
<i>Rosa</i> sp.	Costa Rica			1	Fla.
† <i>Mycosphaerella rubi</i> Roark:					
<i>Rubus</i> sp.	France		1		Mass.
<i>Mycosphaerella schoenoprasii</i> (Rab.) Schroet.:					
<i>Allium cepa solanum</i>	Japan			1	Calif.*
<i>Allium fistulosum</i> (Welsh onion)	do			13	Pa.
<i>Allium porrum</i> (leek)	do			4	Calif.,* N.Y.
<i>Allium schoenoprasum</i>	do			1	Calif.*
† <i>Mycosphaerella serrulatae</i> (Ell. & Ev.) Diehl:					
Palm	Mexico	1			Mass.
† <i>Mycosphaerella vaccinii</i> (Cke.) Schroet.:					
<i>Vaccinium vitis-idaea</i>	Norway			1	N.Y.
<i>Myrothecium roridum</i> Fr.:					
<i>Lycopersicon esculentum</i> (tomato)	Mexico	1			Tex.
† <i>Mystrosporium adustum</i> Massee:					
<i>Iris</i> sp.	Japan			1	Pa.
† <i>Muzosporium everhartii</i> Sacc. & Syd.:					
<i>Cornus alba</i> var.	Netherlands			1	N.J.
<i>Neofabraea malicorticis</i> Jacks:					
<i>Pyrus communis</i> (pear)	Mexico (?)		1		Ariz.
<i>Neovossia horrida</i> (Tak.) Padw. & A. Kahn:					
<i>Oryza sativa</i> (rice)	Japan			2	Calif.*
<i>Nigrospora sphaerica</i> (Sacc.) Mason:					
<i>Oryza sativa</i> (rice)	do		1		Calif.*
<i>Omphalia flavida</i> (Cke.) Maubl. & Rangel:					
<i>Gardenia augusta</i> (gardenia)	Mexico			3	Tex.
<i>Oospora pustulans</i> Owen and Wakef.:					
<i>Solanum tuberosum</i> (potato)	Netherlands	1			Ill.
<i>Ophiobolus oryzinus</i> Sacc.:					
<i>Oryza sativa</i> (rice)	Japan		1		Calif.*
<i>Ophiobolus versisporus</i> Ell. & G. Martin:					
<i>Cocos nucifera</i> (coconut)	Bahamas	1			Tex.
<i>Papularia sphaerosperma</i> (Lk.) Hoehn.:					
Bamboo	Hong Kong, Mexico	1		1	Ariz., Wash.
<i>Lovoisiera</i> sp.	Brazil			1	D.C.
<i>Papulaspora coprophila</i> Hotson:					
<i>Gladiolus</i> sp.	Japan			5	Calif.*

See footnotes at end of table.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
† <i>Piripulaspora dodgei</i> Connors: <i>Acidanthera</i> sp.-----	Netherlands-----			1	N.J.
<i>Piripulaspora parasitica</i> (Eidam.) Harz.: <i>Allium porrum</i> (leek)-----	Japan-----		1		Calif.*
‡ <i>Parodiella congregata</i> Syd.: <i>Agave shawii</i> -----	Mexico-----	1			Calif.
<i>Periconia pycnospora</i> Fr.: Orchid-----	do-----			1	Ariz.
<i>Pestalotia conspicua</i> Servazzi: <i>Angroecum fulcatum</i> -----	†Japan-----			1	Calif.*
<i>Cymbidium simonsianum</i> (orchid)-----	do-----			1	Calif.*
<i>Dendrobium bracteosum</i> (orchid)-----	New Guinea-----			1	Hawaii
<i>Oncidium wentworthianum</i> (orchid)-----	Mexico-----			1	Tex.
Orchid-----	British Honduras-----			1	Fla.
† <i>Pestalotia disseminata</i> Thuen.: <i>Terminalia catappa</i> (tropical almond)-----	Cuba-----	1			La.
<i>Pestalotia funerea</i> Desm.: <i>Pinus</i> sp. (pine)-----	England-----			1	D.C.
<i>Pestalotia macrotricha</i> Kleb.: <i>Rhododendron</i> sp.-----	Netherlands-----			2	N.Y.
† <i>Pestalotia micheneri</i> Guba: <i>Araucaria cunninghamii</i> -----	New Guinea-----			1	Calif.*
<i>Araucaria excelsa</i> (Norfolk-Island-pine)-----	Hawaii-----			1	Calif.*
<i>Pestalotia psidii</i> Pat.: <i>Psidium guajava</i> (guava)-----	Mexico-----	3			Tex.
<i>Pestalotia rhododendri</i> (D. Sacc.) Guba: <i>Rhododendron</i> sp.-----	Netherlands-----			4	N.J., N.Y.
<i>Phoma araucariae</i> Trav.: <i>Araucaria excelsa</i> (Norfolk-Island-pine)-----	Australia-----			1	Calif.*
<i>Phoma citricarpa</i> McAlp.: <i>Citrus aurantifolia</i> (sour lime)-----	Union of South Africa-----		1		Tex.
<i>Citrus aurantium</i> (sour orange)-----	†Federation of Malaya, Japan-----		2		Calif.*
<i>Citrus limon</i> (lemon)-----	Africa (country(?)), Australia, Brazil, Union of South Africa, unknown-----	1	19		Ala., Calif.,* Hawaii, Md., Mass., N.Y., Pa., Tex.
<i>Citrus paradisi</i> (grapefruit)-----	Union of South Africa-----		1		N.Y.
<i>Citrus reticulata</i> (Mandarin orange)-----	Australia(?), China, Federation of Malaya, Formosa, Hong Kong, Japan, Philippines, Singapore, Thailand, unknown-----	39	15		Calif.,* Hawaii, Mass., N.Y., Wash.
<i>Citrus reticulata unshiu</i> (Satsuma orange)-----	China-----	1			Wash.
<i>Citrus sinensis</i> (orange)-----	Australia, China, Formosa, Hong Kong, Japan, Union of South Africa, unknown-----	25	34		Calif.,* Hawaii, Mass., Minn., N.J., N.Y., Pa., Tex., Va.
<i>Citrus</i> sp.-----	China, Hong Kong, Japan(?), Philippines, unknown-----	28			D.C., Hawaii, Mass., N.Y., Tex., Wash.
<i>Phoma insidiosa</i> Tassi: <i>Sorghum</i> spp.-----	India-----			1	N.J.
<i>Phoma lingam</i> (Fr.) Desm.: <i>Brassica oleracea capitata</i> (cabbage)-----	Netherlands-----		1		S.C.
<i>Phoma psidii</i> P. Henn.: <i>Psidium guajava</i> (guava)-----	Mexico-----		2		Tex.
† <i>Phomopsis quercella</i> (Sacc. & Roum.) Died.: <i>Quercus garryana</i> (Oregon white oak)-----	Canada-----			1	N.Y.
<i>Phyllachora engleri</i> Speg.: <i>Anthurium</i> sp.-----	Costa Rica-----			1	Fla.

See footnotes at end of table.



Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Phyllachora graminis</i> (Fr.) Fekl.:					
<i>Oryza sativa</i> (rice).....	India.....	1			Ill. Calif.*
<i>Triticum</i> sp.....	Japan.....		1		
<i>Phyllosticta aucubicola</i> Sacc.:					
<i>Aucuba japonica</i> 'Croton'.....	Belgium.....			1	N.J.
† <i>Phyllosticta chrysanthemi</i> Ell. & Dearn.:					
<i>Chrysanthemum</i> sp.....	Mexico.....	1			Ariz.
† <i>Phyllosticta mortoni</i> Fairm.:					
<i>Mangifera indica</i> (mango).....	Dominican Republic.....			1	Fla.
† <i>Phyllosticta palmicola</i> Cke.:					
Palm.....	Mexico.....			1	Ariz.
<i>Phyllostictina pyriformis</i> Cash & Watson:					
<i>Cypripedium insigne</i> .....	India.....			1	N.J.
<i>Jacquinella major</i> .....	Canal Zone.....			1	Fla.
Orchid.....	Trinidad.....			1	P.R.
<i>Stanhopea</i> sp.....	Mexico.....			1	Tex.
† <i>Physalospora camptospora</i> Sacc.:					
<i>Earina mucronata</i> .....	New Zealand.....			1	Calif.*
† <i>Physalospora obtusa</i> (Schw.) Cke.:					
<i>Vitis</i> sp., probably <i>vinifera</i> .....	Greece.....			1	N.Y.
† <i>Physalospora wildemanniana</i> Sacc.:					
<i>Cymbidium simonsianum</i> (orchid).....	Japan.....			1	Calif.*
<i>Phytophthora capsici</i> Leon.:					
<i>Benincasa hispida</i> (zit-kwa).....	Mexico.....	1			Ariz.
<i>Cucurbita pepo</i> (squash).....	do.....	1			Ariz.
† <i>Plowrightia virgultorum</i> (Fr.) Sacc.:					
<i>Alnus</i> (?) sp.....	Norway.....			1	N.J.
<i>Pratylenchus penetrans</i> (Cobb) Sher & Allen:					
<i>Convallaria majalis</i> (lily-of-the-valley).....	†Japan.....			1	Calif.*
<i>Helleborus</i> sp.....	Netherlands.....			1	N.Y.
<i>Pratylenchus pratensis</i> (de Man) Filip.(?):					
<i>Astilbe</i> sp.....	do.....			1	N.J.
<i>Pseudomicrocera henningsii</i> (Koord.) Petch:					
Scale insect on plant material.....	British Guiana, Mexico.....	2			Fla., Tex.
<i>Pseudomonas tonelliana</i> (Ferr.) Burk.:					
<i>Nerium oleander</i> (oleander).....	Mexico.....			1	Tex.
† <i>Pseudomonas viburni</i> (Thornberry & H. W. Anderson) Stapp:					
<i>Viburnum plicatum</i> .....	Scotland.....			1	D.C.
† <i>Psilenchus hilarulus</i> de Man:					
<i>Bougainvillea</i> sp.....	Mexico.....			1	Tex.
<i>Hibiscus</i> sp.....	do.....			1	Tex.
Soil with cactus plant.....	do.....			1	Tex.
Soil with coleus plant.....	do.....			1	Ariz.
Soil with fern plants.....	do.....			1	Ariz.
Soil with herbaceous plants.....	do.....	1			Tex.
<i>Puccinia angustata</i> Pk.:					
<i>Scirpus</i> sp. (bulrush).....	Unknown.....	1			N.Y.
<i>Puccinia arenariae</i> (Schum.) Wint.:					
<i>Dianthus barbatus</i> (sweet-william).....	England, †Sweden.....	2			Mass., N.Y.
<i>Puccinia buxi</i> DC.:					
<i>Buxus sempervirens</i> (box).....	Italy.....			1	N.Y.
<i>Puccinia chloridis</i> Speg.:					
<i>Bouteloua</i> sp.....	Mexico.....	1		1	Ariz.
<i>Puccinia chrysanthemi</i> Roze:					
<i>Chrysanthemum</i> sp.....	Japan.....		1		Hawaii.
<i>Puccinia cynodontis</i> Desm.:					
<i>Cynodon dactylon</i> (Bermuda grass).....	Mexico.....	1			Tex.
<i>Puccinia horiana</i> P. Henn.:					
<i>Chrysanthemum</i> sp.....	Japan.....	12	8		Hawaii, Wash.
<i>Puccinia ornithogali-thyrsoides</i> Diet.:					
<i>Ornithogalum thyrsoides</i> (chinkerichee).....	Union of South Africa.....	5			Ill., Mass., Mich., N.J., N.Y.
<i>Puccinia phyllostachydis</i> Kus.:					
Bamboo.....	Japan.....	1			Hawaii.
<i>Puccinia striiformis</i> West.:					
<i>Hordeum vulgare</i> (barley).....	India.....			1	D.C.
Straw—cereal.....	Azores.....	1			Mass.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
† <i>Puccinia thaliae</i> Diet.:					
<i>Canna</i> sp.	Panama			2	Fla.
<i>Puccinia urbaniana</i> P. Henn.:					
<i>Stachytarpheta jamaicensis</i>	Puerto Rico	1			Ill.
† <i>Pyrenochaeta berberidis</i> (Sacc.) Brun.:					
<i>Mahonia bealei</i> (leatherleaf hollygrape)	England			1	N.J.
<i>Pythium aphanidermatum</i> (Edson) Fitz.:					
<i>Cucurbita pepo</i> (squash)	Mexico	1			Ariz.
<i>Phaseolus vulgaris</i> var. (string bean)	do	3			Ariz.
† <i>Pythium ultimum</i> Trow.:					
<i>Phaseolus vulgaris</i> var. (string bean)	do	1			Ariz.
† <i>Ravenelia mesillana</i> Ell. & Barth.:					
<i>Cassia bauhinioides</i>	do			1	Tex.
Ring spot virus:					
<i>Citrullus vulgaris</i> (watermelon)	do	4			Ariz.
† <i>Scirrhia lophodermioides</i> Ell. & Ev.:					
<i>Saccharum officinarum</i> (sugarcane)	do	1			Ariz.
<i>Sclerotiopsis testudinea</i> Dearn.:					
<i>Paeonia suffruticosa</i> (tree peony)	Japan			9	Calif.*
<i>Sclerotium cepivorum</i> Berk.:					
<i>Allium sativum</i> (garlic)	Italy	1			N.Y.
<i>Scopolariopsis brevicaulis</i> (Sacc.) Bain. var. <i>glabra</i> Thom:					
<i>Agave</i> sp.	Mexico			1	Ariz.
<i>Scutellonema brachyurum</i> (Steiner) Andrassay:					
Soil with begonia	do			1	Tex.
Soil with coleus plant	do			1	Ariz.
Soil with unknown plants	†Greece			1	Mass.
<i>Scutellonema bradyi</i> (Steiner & LeHew) Andrassay:					
<i>Dioscorea</i> sp. (yam)	Africa (country?)	1			N.Y.
† <i>Scutellonema christiei</i> (Golden & Taylor) Andrassy:					
Soil with caladium plants	Trinidad			1	Va.
Soil with palm	do			3	Va.
Soil with unknown plant	do			1	Va.
<i>Septonema intercalare</i> Cash & Watson:					
<i>Brassavola nodosa</i> (orchid)	Mexico			1	Tex.
<i>Oncidium hastatum</i> (orchid)	do			1	Tex.
Orchid	do			1	Ariz.
<i>Septoria avenae</i> Frank:					
<i>Avena</i> sp.	Belgium	1			Calif.*
<i>Septoria azaleae</i> Vogl.:					
<i>Rhododendron vuykianum</i>	Netherlands			1	N.J.
<i>Rhododendron</i> sp.	do			1	N.Y.
<i>Septoria chrysanthemi</i> Allesch.:					
<i>Chrysanthemum</i> sp.	England, Japan			1	N.J., Wash.
<i>Septoria citri</i> Pass.:					
<i>Citrus aurantium</i> (sour orange)	Italy			1	Calif.*
<i>Citrus limon</i> (lemon)	Italy, Spain, unknown	1		5	Calif.,* N.Y.
<i>Citrus sinensis</i> (orange)	Italy, Japan, Mexico, Spain	1		4	Calif.,* La., Tex.
<i>Septoria citri</i> Pass.(?):					
<i>Citrus sinensis</i> (orange)	Singapore			1	Hawaii.
<i>Septoria depressa</i> McAlp.:					
<i>Citrus sinensis</i> (orange)	Australia			1	Pa.
† <i>Septoria limonum</i> Pass.:					
<i>Citrus limon</i> (lemon)	Greece			1	Tex.
<i>Septoria oryzae</i> Catt.:					
<i>Oryza sativa</i> (rice)	Japan			4	Calif.*
† <i>Septoria piricola</i> Desm.:					
<i>Pyrus</i> sp.	Spain			1	Pa.
<i>Septoria selenophomoides</i> Cash & Watson:					
<i>Brassia verrucosa</i> (orchid)	Guatemala			1	Calif.*
<i>Cattleya</i> sp. (orchid)	Mexico			1	Calif.*
<i>Dendrobium</i> 'Rex' (orchid)	England			1	Wash.
<i>Odontoglossum citrosimum</i> (orchid)	Mexico			1	Tex.
<i>Odontoglossum</i> sp.	do			1	Tex.
<i>Oncidium</i> sp. (orchid)	do			1	Tex.
Orchid	†Union of South Africa			1	N.Y.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Septoria unedonis</i> Rob. & Desm.:					
<i>Arbutus unedo</i> .....	Greece.....			1	Mass.
<i>Sphaceloma faucentii</i> Bitanc. & Jenkins var. <i>scabiosa</i> (McAlp. & Tryon) Jenkins:					
<i>Citrus limon</i> (lemon).....	Australia, New Zealand.....		8		Hawaii, Pa.
<i>Sphaceloma punicae</i> Bitanc. & Jenkins:					
<i>Punica granatum</i> (pomegranate).....	Mexico.....	4			Ariz., Tex.
† <i>Sphaceloma rosarum</i> (Pass.) Jenkins:					
<i>Rosa</i> sp.....	do.....		1		Tex.
<i>Sphaerostilbe aurantiicola</i> (Berk. & Br.) Petch(?):					
Scale in section plant material.....	Japan.....			1	Hawaii.
† <i>Sphaerotheca pannosa</i> (Wallr.) Lev. var. <i>rosae</i> Woron.:					
<i>Rosa</i> sp.....	Germany.....	1			Mass.
<i>Sphenospora kevorkianii</i> Linder:					
<i>Epidendrum</i> sp. (orchid).....	Cuba.....			2	Fla.
<i>Huntleya</i> sp. (orchid).....	†Costa Rica.....			1	Fla.
<i>Oncidium</i> sp. (orchid).....	†Jamaica.....			2	Hawaii.
Orchid.....	†Dominican Republic.....			2	Fla.
<i>Sphenospora mera</i> Cummins (?):					
<i>Mormodes</i> sp. (orchid).....	Mexico.....			1	Tex.
<i>Stagonospora macrospora</i> (Dur. & Mont.) Sacc.:					
<i>Agave victoriorae-reginae</i> .....	do.....			1	Tex.
<i>Agave</i> sp.....	do.....	1			Ariz.
† <i>Stemphylium botryosum</i> Wallr.:					
<i>Schizostylis</i> sp.....	England.....			1	D.C.
<i>Stilbum incarnatum</i> Wakk.:					
<i>Eleocharis dulcis</i> (waternut).....	China.....	4			Calif.*
† <i>Tilletia contraversa</i> Kuehn:					
<i>Secale cereale</i> (rye).....	Afghanistan.....			1	D.C.
†Tobacco ring spot virus (?):					
<i>Citrullus vulgaris</i> (watermelon).....	Mexico.....	5			Ariz.
† <i>Tranzschelia pruni-spinosae</i> (Pers.) Diet.:					
<i>Prunus persica</i> (peach).....	Japan.....			1	Hawaii.
<i>Trematosphaerella oryzae</i> (Miyake) Padwick:					
<i>Oryza sativa</i> (rice).....	do.....		2		Calif.*
<i>Trilichium dependens</i> Limber:					
<i>Zingiber officinale</i> (ginger).....	China.....	1			Calif.*
† <i>Tylenchorhynchus acutus</i> M. W. Allen:					
Soil with coleus plant.....	Mexico.....			1	Ariz.
Soil with unknown plants.....	Cuba.....			1	Fla.
<i>Tylenchorhynchus capitatus</i> M. W. Allen:					
Soil with succulent plants.....	Mexico.....			1	Ariz.
Soil with unknown plants.....	do.....			2	Tex.
† <i>Tylenchorhynchus martini</i> Fielding:					
Soil with boraginaceous plants.....	do.....			1	Ariz.
Soil with India rubber tree plant.....	do.....			1	Tex.
† <i>Tylenchulus semipenetrans</i> Cobb:					
<i>Citrus</i> sp.....	Italy.....			1	N.Y.
† <i>Tylenchus davainei</i> Bastian:					
Soil and moss.....	Germany.....	1			Mass.
† <i>Tylenchus polyhymnus</i> Steiner & Albin:					
<i>Bougainvillea</i> sp.....	Mexico.....			1	Tex.
<i>Hibiscus</i> sp.....	do.....			1	Tex.
<i>Uredo anthurii</i> (Har.) Sacc.:					
<i>Anthurium</i> sp.....	Colombia.....			1	Fla.
<i>Uredo behnickiana</i> P. Henn.:					
<i>Epidendrum brassavolae</i> (orchid).....	Costa Rica.....			1	Fla.
<i>Epidendrum fragrans</i> .....	Mexico.....			1	Tex.
<i>Epidendrum mariae</i> .....	do.....			3	Tex.
<i>Epidendrum variegatum</i> .....	Brazil.....			1	Fla.
<i>Huntleya</i> sp. (orchid).....	Panama.....			1	Fla.
<i>Laelia anceps</i> (orchid).....	Mexico.....			4	Tex.
<i>Oncidium forbesii</i> (orchid).....	Brazil.....			1	Calif.*
<i>Oncidium marshallianum</i> .....	do.....			1	Calif.*
<i>Oncidium varicosum rogersii</i> .....	do.....			2	Calif.*
<i>Oncidium</i> sp.....	do.....			1	Calif.*
<i>Schomburgkia undulata</i> (orchid).....	Costa Rica.....			1	Fla.

See footnotes at end of table.



Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Uredo epidendri</i> P. Henn.:					
<i>Epidendrum bilamellatum</i> (orchid).....	Canal Zone.....			1	Fla.
<i>Epidendrum cinnabarinum</i> .....	Brazil.....			1	Fla.
<i>Epidendrum mirabile</i> .....	Costa Rica.....			1	Fla.
<i>Epidendrum myrianthum</i> .....	do.....			1	Fla.
<i>Epidendrum radicans</i> .....	Brazil.....			1	Fla.
<i>Epidendrum</i> sp.....	Bahamas.....			1	Fla.
<i>Oncidium</i> sp. (orchid).....	Honduras.....			1	Fla.
Orchid.....	†Nicaragua.....			1	Calif.*
<i>Trigonidium seemannii</i> (orchid).....	Canal Zone.....			1	Fla.
<i>Uredo guacae</i> Mayor:					
<i>Epidendrum cinnabarinum</i> (orchid).....	Brazil.....			1	Fla.
<i>Epidendrum mirabile</i> .....	Costa Rica.....			1	Calif.*
<i>Epidendrum polychlamys</i> .....	do.....			1	Calif.*
<i>Epidendrum verrucosum</i> .....	Jamaica.....			1	Fla.
<i>Huntleya</i> sp.(?) (orchid).....	Costa Rica.....			1	Fla.
<i>Ionopsis</i> sp.....	Jamaica.....			1	Fla.
<i>Stanhopea</i> sp. (orchid).....	Costa Rica.....			1	Tex.
<i>Trigonidium egertonianum</i> (orchid).....	British Honduras.....			1	Fla.
<i>Zygopetalum burtii</i> (orchid).....	Costa Rica.....			1	Fla.
<i>Uredo nigropuncta</i> P. Henn.:					
<i>Epidendrum</i> sp. (orchid).....	Cuba.....			1	Fla.
<i>Scaphyglottis</i> sp. (orchid).....	Canal Zone.....			1	Fla.
<i>Stanhopea</i> sp. (orchid).....	Costa Rica.....			1	Fla.
<i>Uredo oncidii</i> P. Henn.:					
<i>Oncidium bicallosum</i> (orchid).....	Guatemala.....			1	Fla.
<i>Oncidium cavendishianum</i> .....	Mexico.....			2	Tex.
<i>Oncidium cebolleta</i> .....	Costa Rica, Mexico.....			2	Fla., Tex.
<i>Oncidium echinatum</i> .....	Brazil.....			1	Fla.
<i>Oncidium stramineum</i> .....	Mexico.....			1	Fla.
<i>Oncidium</i> sp.....	British Honduras, El Salvador, Guatemala, Mexico.....			4	Fla., Tex.
<i>Uredo oncidii</i> P. Henn.(?):					
<i>Odontoglossum bictoniense</i> (orchid).....	Mexico.....			1	N.J.
<i>Uredo scabies</i> Cke.:					
<i>Vanilla</i> sp. (orchid).....	Panama.....			1	Fla.
† <i>Urocystis anemones</i> (Pers.) Schroet.:					
<i>Trollius</i> sp.....	England.....			1	N.J.
<i>Urocystis gladiolicola</i> Ains.:					
<i>Gladiolus nanus</i> 'Peach Blossom' & 'Blushing Bride'.	Netherlands.....			1	N.J.
<i>Uromyces alyxiae</i> Arth.:					
<i>Alyxia olivaeformis</i> (maile).....	Hawaii.....	3			Hawaii.
‡ <i>Uromyces commelinae</i> Cke.:					
<i>Geogenanthus</i> sp.....	Colombia.....			1	Fla.
<i>Uromyces coronatus</i> Yosh.(?):					
<i>Zizania aquatica</i> .....	China.....			1	N.J.
† <i>Uromyces limonii</i> (DC.) Lev.:					
<i>Armeria</i> sp. (statice).....	Denmark, Germany.....	1		1	Pa.
<i>Uromyces lineolatus</i> (Desm.) Schroet.:					
<i>Scirpus maritimus</i> .....	†Portugal.....	1			Pa.
<i>Scirpus validus</i> (softstem bulrush).....	Bermuda.....	1			N.Y.
† <i>Uromyces phaseoli</i> (Reb.) Wint.:					
<i>Phaseolus vulgaris</i> var. (string bean).....	Spain.....		1		Pa.
<i>Ustilago bullata</i> Berk.:					
<i>Bromus macrostachys</i> .....	Turkey.....			1	D.C.
<i>Ustilago nuda</i> (Jens.) Rostr.:					
<i>Hordeum vulgare</i> (barley).....	Ethiopia.....	1			D.C.
<i>Valsella pedicellata</i> Cash & Watson:					
<i>Laelia anceps</i> (orchid).....	Mexico.....			1	Tex.
† <i>Venturia rhododendri</i> Tengwall(?):					
<i>Rhododendron</i> sp.....	Netherlands.....			1	N.J.
<i>Volutella albo-pila</i> Boud.:					
Orchid.....	Central America (country(?)).	1			Tex.

See footnotes at end of table.

Pests Collected and Reported From July 1, 1957, Through June 30, 1958—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Xanthomonas citri</i> (Hasse) Dowson:					
<i>Citrus aurantifolia</i> (lime).....	India.....	1	—	—	Va.
<i>Citrus aurantifolia</i> (sour lime).....	China, India, Japan.....	1	3	—	Calif.,* N.Y.
<i>Citrus aurantium</i> (sour orange).....	Japan.....	—	22	—	Calif.,* Md., Mass., Pa.
<i>Citrus grandis</i> (pummelo).....	Federation of Malaya, India, Japan.	—	3	—	Calif.,* Mass., Pa.
<i>Citrus limon</i> (lemon).....	Japan.....	—	5	—	Calif.,*
<i>Citrus paradisi</i> (grapefruit).....	do.....	—	4	—	Calif.,* Tex.
<i>Citrus paradisi</i> (?).....	†Pakistan.....	1	—	—	N.Y.
<i>Citrus reticulata</i> (Mandarin orange).....	China, Hong Kong, Japan.	4	5	—	Calif.,* Hawaii, Mass., Pa.
<i>Citrus sinensis</i> (orange).....	Hong Kong, Japan, Singapore.	1	25	—	Ala., Calif.,* Hawaii, Md., Wash. Mass.
<i>Citrus</i> sp.....	Hong Kong.....	1	—	—	Mass.
<i>Xanthomonas citri</i> (Hasse) Dowson(?):					
<i>Citrus limon</i> (lemon).....	Japan.....	—	1	—	Hawaii.
<i>Citrus paradisi</i> (grapefruit).....	do.....	—	1	—	Hawaii.
<i>Citrus sinensis</i> .....	do.....	—	1	—	Hawaii.
<i>Xanthomonas</i> sp. (Cancrosis B):					
<i>Citrus limon</i> (lemon).....	Argentina.....	—	3	—	Calif.,* Md., Mass.
<i>Citrus paradisi</i> (grapefruit).....	do.....	—	1	—	Mass.
† <i>Xiphinema diversicaudatum</i> (Micoletzky) Thorne:					
Soil with olive trees.....	Italy.....	—	—	1	D.C.
"Yellow spot" virus:					
<i>Camellia</i> sp.....	Netherlands.....	—	—	1	N.Y.

An asterisk (\*) indicates State inspection.

A dagger (†) indicates a first interception from the country named.

A double dagger (‡) indicates first record of its interception by Division inspectors.

## Host and Diseases

## ACIDANTHERA:

†*Papulaspora dodgei* (Deuteromycetes)

## AGAPANTHUS:

*Meloidogyne incognita acrita* (Nematoda)

## AGAVE:

†*Allantonectria miltina* (Ascomycetes)

†*Coniothecium agaves* (Deuteromycetes)

†*Parodiella congregata* (Ascomycetes)

*Scopulariopsis brevicaulis* var. *glabra* (Deuteromycetes)

*Stagonospora macrospora* (Deuteromycetes)

## ALLIUM CEPA SOLANUM:

*Mycosphaerella schoenoprasii* (Ascomycetes)

## ALLIUM FISTULOSUM:

*Mycosphaerella schoenoprasii* (Ascomycetes)

## ALLIUM PORRUM:

†*Colletotrichum dematium* f. *circinans* (Deuteromycetes)

*Mycosphaerella schoenoprasii* (Ascomycetes)

*Papulaspora parasitica* (Deuteromycetes)

## ALLIUM SATIVUM:

*Ditylenchus dipsaci* (Nematoda)

*Sclerotium cepivorum* (Deuteromycetes)

## ALLIUM SCHOENOPRASUM:

*Mycosphaerella schoenoprasii* (Ascomycetes)

## ALNUS(?):

†*Plowrightia virgultorum* (Ascomycetes)

## ALOE:

*Meloidogyne incognita acrita* (Nematoda)

†*Meloidogyne javanica* (Nematoda)

## ALYXIA:

*Uromyces alyziae* (Promycetes)

## ANGRAECUM:

†*Pestalotia conspicua* (Deuteromycetes)

## ANTHURIUM:

*Phyllachora engleri* (Ascomycetes)

*Uredo anthurii* (Promycetes)

## APIUM:

*Meloidogyne hapla* (Nematoda)

†*Meloidogyne incognita* (Nematoda)

†*Meloidogyne incognita acrita* (Nematoda)

## ARAUCARIA:

*Botryosphaeria berengeriana* var. *araucariae* (Ascomycetes)

*Cryptospora longispora* (Ascomycetes)

†*Macrophoma araucariae* (Deuteromycetes)

†*Pestalotia micheneri* (Deuteromycetes)

*Phoma araucariae* (Deuteromycetes)

## ARBUTUS:

*Septoria unedonis* (Deuteromycetes)

## ARECA:

†*Curvularia geniculata* (Deuteromycetes)

## ARMERIA:

†*Cercospora insulana* (Deuteromycetes)

†*Uromyces limonii* (Promycetes)

## ARTOCARPUS:

*Meloidogyne incognita acrita* (Nematoda)

## ARUNDINARIA:

†*Colletotrichum graminicola* (Deuteromycetes)

## ASTILBE:

†*Chalaropsis thielaviopsis* (Deuteromycetes)

*Pratylenchus pratensis* (?) (Nematoda)

## ASTROPHYTUM:

*Mycosphaerella opuntiae* (Ascomycetes)

## AUCUBA:

*Phyllosticta aucubicola* (Deuteromycetes)

## AVENA:

*Septoria avenae* (Deuteromycetes)

## BAMBOO:

*Papularia sphaerosperma* (Deuteromycetes)

*Puccinia phyllostachydis* (Promycetes)

## BEGONIA:

†*Meloidogyne arenaria* (Nematoda)

*Meloidogyne javanica* (Nematoda)

## BENINCASA:

*Phytophthora capsici* (Phycomycetes)

## BERBERIS:

*Meloidogyne arenaria* (Nematoda)

## BERGENIA:

*Discohainesia oenotherae* (Ascomycetes)

## BETA:

*Meloidogyne incognita* (Nematoda)

## BLETILLA:

†*Aphelenchoides fragariae* (?) (Nematoda)

## BOUGAINVILLEA:

†*Psilenchus hilarulus* (Nematoda)

†*Tylenchus polyhyphus* (Nematoda)

## BOUTELOUA:

*Puccinia chloridis* (Promycetes)

## BRACHYPODIUM:

*Colletotrichum graminicola* (Deuteromycetes)

## BRASSAVOLA:

*Septonema intercalare* (Deuteromycetes)

## BRASSIA:

*Septoria selenophomoides* (Deuteromycetes)

## BRASSICA OLERACEA CAPITATA:

*Phoma lingam* (Deuteromycetes)

## BRASSICA RAPA:

*Meloidogyne incognita* (Nematoda)

## BROMUS:

*Ustilago bullata* (Promycetes)

## BUXUS:

*Puccinia buxi* (Promycetes)

## CACTUS:

†*Coniothyrium globuliforme* (Deuteromycetes)

*Meloidogyne arenaria* (Nematoda)

*Meloidogyne javanica* (Nematoda)

*Mycosphaerella opuntiae* (Ascomycetes)

## CALADIUM:

*Meloidogyne arenaria* (Nematoda)

## CALATHEA:

*Meloidogyne arenaria* (Nematoda)

## CALLISTEPHUS:

†*Coleosporium asterum* (Promycetes)

## CAMELLIA:

"Yellow spot" virus

## CANNA:

*Meloidogyne incognita acrita* (Nematoda)

†*Puccinia thalae* (Promycetes)

## CAPSICUM:

*Colletotrichum dematium* (Deuteromycetes)

*Curvularia lunata* (Deuteromycetes)

## CARICA:

*Asperisporium caricae* (Deuteromycetes)

See footnotes at end of this list.



## Host and Diseases—Continued

## CASSIA:

†*Ravenelia mesillana* (Promycetes)

## CATTLEA:

*Cladosporium orchidearum* (Deuteromycetes)  
*Septoria selenophomoides* (Deuteromycetes)

## CHAMAEDOREA:

†*Botryosphaeria palmigena* (Ascomycetes)

## CHRYSANTHEMUM:

†*Phyllosticta chrysanthemi* (Deuteromycetes)  
*Puccinia chrysanthemi* (Promycetes)  
*Puccinia horiana* (Promycetes)  
*Septoria chrysanthemi* (Deuteromycetes)

## CICHORIUM:

*Meloidogyne incognita acrita* (Nematoda)  
 †*Meloidogyne javanica* (Nematoda)

## CITRULLUS:

Ring spot virus  
 †Tobacco ring spot virus(?)

## CITRUS AURANTIFOLIA:

*Elsinoe australis* (Ascomycetes)  
*Phoma citricarpa* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)

## CITRUS AURANTIUM:

†*Phoma citricarpa* (Deuteromycetes)  
*Septoria citri* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)

## CITRUS GRANDIS:

*Xanthomonas citri* (Schizomycetes)

## CITRUS LIMON:

*Alternaria citri* (Deuteromycetes)  
*Coniothecium scabrum* (Deuteromycetes)  
*Elsinoe australis* (Ascomycetes)  
*Phoma citricarpa* (Deuteromycetes)  
*Septoria citri* (Deuteromycetes)  
 †*Septoria limonum* (Deuteromycetes)  
*Sphaceloma fawcettii* var. *scabiosa* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)  
*Xanthomonas* sp. (Cancrosis B) (Schizomycetes)

## CITRUS PARADISI:

*Elsinoe australis* (Ascomycetes)  
*Phoma citricarpa* (Deuteromycetes)  
 †*Xanthomonas citri* (Schizomycetes)  
*Xanthomonas* sp. (Cancrosis B) (Schizomycetes)

## CITRUS RETICULATA:

*Elsinoe australis* (Ascomycetes)  
 "Greasy spot"  
*Phoma citricarpa* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)

## CITRUS RETICULATA UNSHIU:

*Phoma citricarpa* (Deuteromycetes)

## CITRUS SINENSIS:

*Elsinoe australis* (Ascomycetes)  
 "Greasy spot"  
 "Leprosis"  
*Phoma citricarpa* (Deuteromycetes)  
*Septoria citri* (Deuteromycetes)  
*Septoria depressa* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)

## CITRUS SP.:

*Phoma citricarpa* (Deuteromycetes)  
 †*Tylenchulus semipenetrans* (Nematoda)  
*Xanthomonas citri* (Schizomycetes)

## COCOS:

†*Diaporthe arctii* (Ascomycetes)  
 †*Diplodia cococarpa* (Deuteromycetes)  
 †*Macrophoma cocos* (Deuteromycetes)  
*Ophiobolus versisporus* (Ascomycetes)

## COFFEA:

†*Cercospora coffeicola* (Deuteromycetes)  
 †*Mycosphaerella coffeicola* (Ascomycetes)

## COLOCASIA:

*Meloidogyne arenaria* (Nematoda)  
*Meloidogyne javanica* (Nematoda)

## CONVALLARIA:

†*Pratylenchus penetrans* (Nematoda)

## CORNUS:

†*Myzospodium everhartii* (Deuteromycetes)

## COTINUS:

†*Cylindrocarpum radicola* (Deuteromycetes)

## CRATAEGUS:

†*Colletotrichum crassipes* (Deuteromycetes)

## CUCURBITA:

*Phytophthora capsici* (Phycomycetes)  
*Pythium aphanidermatum* (Phycomycetes)

## CYMBIDIUM:

*Pestalotia conspicua* (Deuteromycetes)  
 †*Physalospora wildevanniana* (Ascomycetes)

## CYNODON:

*Puccinia cynodontis* (Promycetes)

## CYPRIPEDIUM:

*Phyllostictina pyriformis* (Deuteromycetes)

## DAHLIA:

*Meloidogyne arenaria* (Nematoda)  
*Meloidogyne hapla* (Nematoda)  
*Meloidogyne javanica* (Nematoda)

## DAUCUS:

*Meloidogyne incognita* (Nematoda)  
 †*Meloidogyne javanica* (Nematoda)

## DELONIX:

*Botryosphaeria ribis* (Ascomycetes)

## DENDROBIUM:

*Pestalotia conspicua* (Deuteromycetes)  
*Septoria selenophomoides* (Deuteromycetes)

## DIANTHUS:

*Alternaria dianthi* (Deuteromycetes)  
 †*Puccinia arenariae* (Promycetes)

## DIOSCOREA:

*Scutellonema bradys* (Nematoda)

## EARINA:

†*Physalospora camptospora* (Ascomycetes)

## ECHEVERIA:

*Meloidogyne incognita acrita* (Nematoda)

## ELEOCHARIS:

*Stilbum incarnatum* (Deuteromycetes)

## EPIDENDRUM:

†*Asterinella epidendri* (Ascomycetes)  
*Cercospora angraeci* (Deuteromycetes)  
*Mycosphaerella cattleyae* (Ascomycetes)  
*Sphenospora kevorkianii* (Promycetes)  
*Uredo behnickiana* (Promycetes)  
*Uredo epidendri* (Promycetes)  
*Uredo guacae* (Promycetes)  
*Uredo nigropuncta* (Promycetes)

## EPIMEDIUM:

†*Meloidogyne incognita acrita* (Nematoda)

## EUPHORBIA:

*Meloidogyne javanica* (Nematoda)

## FAGUS:

*Fusicoccum galearicatum* (Deuteromycetes)  
*Hendersonia piriformis* (Deuteromycetes)

See footnotes at end of this list.

## Host and Diseases—Continued

## FICUS:

†*Cerotelium fici* (Promycetes)

## FRAGARIA:

*Mycosphaerella fragariae* (Ascomycetes)

## FREESIA:

*Fusarium oxysporum* f. *gladioli* (Deuteromycetes)*Meloidogyne arenaria* (Nematoda)*Meloidogyne javanica* (Nematoda)

## GARDENIA:

*Omphalia flava* (Basidiomycetes)

## GEOGENANTHUS:

†*Uromyces commelinae* (Promycetes)

## GERANIUM:

*Meloidogyne hapla* (Nematoda)

## GERBERA:

*Meloidogyne javanica* (Nematoda)

## GLADIOLUS:

†*Botrytis gladiolorum* (Deuteromycetes)*Fusarium oxysporum* f. *gladioli* (Deuteromycetes)*Meloidogyne arenaria* (Nematoda)*Meloidogyne incognita acrita* (Nematoda)*Papulaspora coprophila* (Deuteromycetes)*Urocystis gladiolicola* (Promycetes)

## GOSSYPIUM:

*Cercospora gossypina* (Deuteromycetes)

## HEDERA:

*Colletotrichum dematium* (Deuteromycetes)

## HELLEBORUS:

*Coniothyrium hellebori* (Deuteromycetes)*Pratylenchus penetrans* (Nematoda)

## HIBISCUS:

†*Psilenchus hilarulus* (Nematoda)†*Tylenchus polyhyppus* (Nematoda)

## HORDEUM:

*Puccinia striiformis* (Promycetes)*Ustilago nuda* (Promycetes)

## HUNTLEYA:

†*Sphenospora kevorkianii* (Promycetes)*Uredo behnickiana* (Promycetes)*Uredo guacae* (Promycetes)

## ILEX:

†*Diaporthe eres* (Ascomycetes)

## IONOPSIS:

*Uredo guacae* (Promycetes)

## IPOMOEA:

*Coleosporium ipomoeae* (Promycetes)*Meloidogyne incognita* (Nematoda)

## IRIS:

*Ditylenchus dipsaci* (Nematoda)*Heterosporium iridis* (Deuteromycetes)*Meloidogyne arenaria* (Nematoda)*Meloidogyne incognita acrita* (Nematoda)†*Myrothecium adustum* (Deuteromycetes)

## JACQUINIELLA:

*Phyllostictina pyriformis* (Deuteromycetes)

## JASMINUM:

*Meloidogyne incognita acrita* (Nematoda)

## JUNIPERUS:

*Criconeimoides xenoplaz* (Nematoda)*Gymnosporangium haraeanaum* (Promycetes)

## KLEINIA:

*Meloidogyne incognita* (Nematoda)

## LABURNUM:

*Coniothyrium cytisellum* (Deuteromycetes)

## LACTUCA:

*Meloidogyne incognita* (Nematoda)†*Meloidogyne incognita acrita* (Nematoda)

## LAELIA:

*Uredo behnickiana* (Promycetes)*Valsella pedicellata* (Ascomycetes)

## LAVOISIERA:

*Papularia sphaerosperma* (Deuteromycetes)

## LEUCOTHOE:

*Diplodina leucothoes* (Deuteromycetes)

## LILIUM:

*Meloidogyne incognita acrita* (Nematoda)

## LYCOPERSICON:

*Corynespora cassicola* (Deuteromycetes)†*Geotrichum candidum* (Deuteromycetes)*Myrothecium roridum* (Deuteromycetes)

## MAHONIA:

†*Cumminsella mirabilissima* (Promycetes)†*Pyrenochaeta berberidis* (Deuteromycetes)

## MALPHIGIA:

†*Meloidogyne javanica* (Nematoda)

## MALUS:

*Monilinia fructigena* (Ascomycetes)

## MANGIFERA:

†*Elsinoe mangiferae* (Ascomycetes)†*Phyllosticta mortonii* (Deuteromycetes)

## MARANTA:

*Meloidogyne arenaria* (Nematoda)

## MILTONIA:

*Lembosia rolfsii* (Ascomycetes)

## MONDO:

*Meloidogyne incognita acrita* (Nematoda)

## MONSTERA:

*Meloidogyne incognita acrita* (Nematoda)

## MORMODES:

*Sphenospora mera* (?) (Promycetes)

## MUSA:

*Cercospora musae* (Deuteromycetes)*Colletotrichum musae* (Deuteromycetes)*Macrophoma musae* (Deuteromycetes)†*Memnoniella echinata* (Deuteromycetes)

## NARCISSUS:

*Ceratocystis narcissii* (Ascomycetes)*Ditylenchus dipsaci* (Nematoda)

## NERIUM:

*Cercospora neriella* (Deuteromycetes)*Pseudomonas tonelliana* (Schizomycetes)

## ODONTOGLOSSUM:

*Cercospora angraci* (Deuteromycetes)*Septoria selenophomoides* (Deuteromycetes)*Uredo oncidii* (?) (Promycetes)

## ONCIDIODA:

†*Cercospora odontoglossi* (Deuteromycetes)

## ONCIDIUM:

†*Cercospora angraci* (Deuteromycetes)*Micropellis bakeri* (Ascomycetes)*Pestalotia conspicua* (Deuteromycetes)*Septonema intercalare* (Deuteromycetes)*Septoria selenophomoides* (Deuteromycetes)†*Sphenospora kevorkianii* (Promycetes)

See footnotes at end of this list.

## Host and Diseases—Continued

## ONCIDIUM—Continued

- Uredo behnickiana* (Promycetes)  
*Uredo epidendri* (Promycetes)  
*Uredo oncidii* (Promycetes)

## ORCHID:

- Cercospora angraeci* (Deuteromycetes)  
*Micropeltis bakeri* (Ascomycetes)  
*Periconia pycnospora* (Deuteromycetes)  
*Pestalotia conspicua* (Deuteromycetes)  
*Phyllostictina pyriformis* (Deuteromycetes)  
*Septonema intercalare* (Deuteromycetes)  
†*Septoria selenophomoides* (Deuteromycetes)  
†*Sphenospora kevorkianii* (Promycetes)  
†*Uredo epidendri* (Promycetes)  
*Volutella albo-pila* (Deuteromycetes)

## OREOCHARIS:

- Meloidogyne hapla* (Nematoda)

## ORNITHOGALUM:

- Didymella ornithogali* (Ascomycetes)  
*Heterosporium ornithogali* (Deuteromycetes)  
*Puccinia ornithogali-thyrsoides* (Promycetes)

## ORYZA:

- ‡*Aspergillus mangini* (Deuteromycetes)  
*Chlamydomyces palmarum* (Deuteromycetes)  
*Entyloma oryzae* (Promycetes)  
†*Hendersonia oryzae* (Deuteromycetes)  
†*Leptosphaeria michotii* (Ascomycetes)  
†*Leptosphaeria oryzina* (Ascomycetes)  
*Neovossia horrida* (Promycetes)  
*Nigrospora sphaerica* (Deuteromycetes)  
*Ophiobolus oryzinus* (Ascomycetes)  
*Phyllachora graminis* (Ascomycetes)  
*Septoria oryzae* (Deuteromycetes)  
*Trematosphaerella oryzae* (Ascomycetes)

## PACHYCREUS:

- Hendersonia opuntiae* (Deuteromycetes)

## PAEONIA:

- Discohainnesia oenotherae* (Ascomycetes)  
*Meloidogyne hapla* (Nematoda)  
*Sclerotopsis testudinea* (Deuteromycetes)

## PALM:

- ‡*Coniothyrium socium*(?) (Deuteromycetes)  
*Memnoniella echinata* (Deuteromycetes)  
†*Mycosphaerella serrulatae* (Ascomycetes)  
†*Phyllosticta palmicola* (Deuteromycetes)

## PARKINSONIA:

- ‡*Diaporthe oncostoma* (Ascomycetes)

## PASPALUM:

- Cerebella andropogonis* (Deuteromycetes)

## PASTINACA:

- Meloidogyne hapla* (Nematoda)

## PERSEA:

- Cercospora purpurea* (Deuteromycetes)

## PHASEOLUS:

- Cercospora canescens* (Deuteromycetes)  
†*Cercospora columnaris* (Deuteromycetes)  
*Elstinoe phaseoli* (Ascomycetes)  
*Meloidogyne javanica* (Nematoda)  
*Pythium aphanidermatum* (Phycomycetes)  
†*Pythium ultimum* (Phycomycetes)  
†*Uromyces phaseoli* (Promycetes)

## PICEA:

- Chrysomyza ledicola* (Promycetes)

## PINUS:

- Pestalotia funerea* (Deuteromycetes)

## PISUM:

- ‡*Ascochyta pisi* (Deuteromycetes)

See footnotes at end of this list.

## POLIANTHES:

- Meloidogyne incognita* (Nematoda)  
†*Meloidogyne javanica* (Nematoda)

## POPULUS

- †*Cytospora chrysosperma* (Deuteromycetes)

## PRUNUS PERSICA:

- †*Tranzschelia pruni-spinosae* (Promycetes)

## PRUNUS TENELLA:

- †*Coryneum carpophilum* (Deuteromycetes)

## PSIDIUM:

- Pestalotia psidii* (Deuteromycetes)  
*Phoma psidii* (Deuteromycetes)

## PUNICA:

- ‡*Dendrophoma cytosporoides* var. *punicina* (Deuteromycetes)  
*Sphaceloma punicae* (Deuteromycetes)

## PYRUS:

- Neofabraea malicorticis* (Ascomycetes)  
†*Septoria piricola* (Deuteromycetes)

## QUERCUS:

- ‡*Phomopsis quercella* (Deuteromycetes)

## RHAPIS:

- Meloidogyne incognita acrita* (Nematoda)

## RHEUM:

- Colletotrichum dematium* (Deuteromycetes)

## RHODODENDRON:

- Cercospora handelii* (Deuteromycetes)  
†*Chrysomyza ledi* var. *rhododendri* (Promycetes)  
†*Diplodina eurhododendri* (Deuteromycetes)  
*Discohainnesia oenotherae* (Ascomycetes)  
*Erobisidium vaccinii* (Basidiomycetes)  
*Mycosphaerella clintoniana* (Ascomycetes)  
*Pestalotia macrotricha* (Deuteromycetes)  
*Pestalotia rhododendri* (Deuteromycetes)  
†*Septoria azaleae* (Deuteromycetes)  
†*Venturia rhododendri*(?) (Ascomycetes)

## ROSA:

- ‡*Cercospora puderi* (Deuteromycetes)  
†*Griphosphaeria corticola* (Ascomycetes)  
*Meloidogyne hapla* (Nematoda)  
*Monochaetia compta* (Deuteromycetes)  
*Mycosphaerella rosigena* (Ascomycetes)  
†*Sphaceloma rosarum* (Deuteromycetes)  
†*Sphaerotheca pannosa* var. *rosae* (Ascomycetes)

## ROSCOEIA:

- Meloidogyne javanica* (Nematoda)

## RUBUS:

- ‡*Microthyriella rubi* (Ascomycetes)  
†*Mycosphaerella rubi* (Ascomycetes)

## RUSCUS:

- Leptosphaeria rusci* (Ascomycetes)

## SACCHARUM:

- ‡*Scirrhia lophodermioides* (Ascomycetes)

## SALIX:

- ‡*Melampsora paradoxa*(?) (Promycetes)

## SANSEVIERIA:

- Meloidogyne incognita acrita* (Nematoda)

## SCAPHYGLOTTIS:

- Uredo nigropuncta* (Promycetes)

## SCHIZOSTYLIS:

- †*Stemphylium botryosum* (Deuteromycetes)

## SCHOMBURGKIA:

- Uredo behnickiana* (Promycetes)



## Host and Diseases—Continued

## SCIRPUS:

- Puccinia angustata* (Promycetes)  
†*Uromyces lineolatus* (Promycetes)

## SECALE:

- †*Tilletia contraversa* (Promycetes)

## SECIUM:

- †*Ascochyta cucumis*(?) (Deuteromycetes)

## SOBRALIA:

- †*Cercospora cyripedii* (Deuteromycetes)

## SOIL:

- †*Gothholdsteineria goodeyi* (Nematoda)  
†*Helicotylenchus erythrinae* (Nematoda)  
†*Helicotylenchus multicinctus* (Nematoda)  
†*Helicotylenchus nannus* (Nematoda)  
†*Heterodera avenae* (Nematoda)  
†*Heterodera cacti* (Nematoda)  
†*Heterodera humuli* (Nematoda)  
†*Heterodera punctata* (Nematoda)  
†*Heterodera rostochiensis* (Nematoda)  
†*Meloidogyne hapla* (Nematoda)  
†*Meloidogyne incognita* (Nematoda)  
†*Meloidogyne incognita acrita* (Nematoda)  
†*Psilenchus hilarulus* (Nematoda)  
†*Scutellonema brachyurum* (Nematoda)  
†*Scutellonema christiei* (Nematoda)  
†*Tylenchorhynchus acutus* (Nematoda)  
†*Tylenchorhynchus capitatus* (Nematoda)  
†*Tylenchorhynchus martini* (Nematoda)  
†*Tylenchus davainei* (Nematoda)  
†*Xiphinema diversicaudatum* (Nematoda)

## SOLANUM:

- Meloidogyne arenaria* (Nematoda)  
†*Meloidogyne incognita* (Nematoda)  
†*Meloidogyne incognita acrita* (Nematoda)  
†*Meloidogyne javanica* (Nematoda)  
†*Memnoniella chinata* (Deuteromycetes)  
†*Oospora pustulans* (Deuteromycetes)

## SORGHUM:

- Phoma insidiosa* (Deuteromycetes)

## STACHYTARPHETA:

- Puccinia urbaniana* (Promycetes)

## STANHOPEA:

- †*Coniothyrium stanhopeae* (Deuteromycetes)  
†*Guignardia traversi* (Ascomycetes)  
†*Phyllostictina pyriformis* (Deuteromycetes)  
†*Uredo guacae* (Promycetes)  
†*Uredo nigropuncta* (Promycetes)

## TABEBUIA:

- Meloidogyne javanica* (Nematoda)

## TERMINALIA:

- †*Pestalotia disseminata* (Deuteromycetes)

## THOMSONIA:

- Meloidogyne javanica* (Nematoda)

## TRIGONIDIUM:

- Uredo epidendri* (Promycetes)  
†*Uredo guacae* (Promycetes)

## TRITICUM:

- †*Colletotrichum graminicola* (Deuteromycetes)  
†*Leptosphaeria eustomoides* (Ascomycetes)  
†*Phyllachora graminis* (Ascomycetes)

## TROLLIUS:

- †*Urocystis anemones* (Promycetes)

## VACCINIUM:

- †*Mycosphaerella vaccinii* (Ascomycetes)

## VANILLA:

- Uredo scabies* (Promycetes)

## VIBURNUM:

- †*Pseudomonas viburni* (Schizomycetes)

## VIOLA:

- Meloidogyne javanica* (Nematoda)

## VITIS:

- †*Coniothyrium diplodiella* (Deuteromycetes)  
†*Physalospora obtusa* (Ascomycetes)

## WEIGELA:

- Meloidogyne hapla* (Nematoda)

## YUCCA:

- Diplodia circinans* (Deuteromycetes)

## ZANTEDESCHIA:

- Meloidogyne arenaria* (Nematoda)  
†*Meloidogyne incognita acrita* (Nematoda)  
†*Meloidogyne javanica* (Nematoda)

## ZINGIBER:

- Meloidogyne arenaria* (Nematoda)  
†*Memnoniella echinata* (Deuteromycetes)  
†*Tritirachium dependens* (Deuteromycetes)

## ZIZANIA:

- Uromyces coronatus* (?) (Promycetes)

## ZYGOPETALUM:

- Uredo guacae* (Promycetes)

## Hosts Unknown

## PLANT:

- Meloidogyne incognita acrita* (Nematoda)

## SCALE INSECT:

- Pseudomicrera henningsii* (Deuteromycetes)  
†*Sphaerostilbe aurantiicola*(?) (Ascomycetes)

## STRAW—CEREAL:

- †*Colletotrichum graminicola* (Deuteromycetes)  
†*Puccinia striiformis* (Promycetes)

A dagger (†) indicates a first interception from the country named.

A double dagger (‡) indicates first record of its interception by Division inspectors.

## Countries of Origin and Diseases

## AFGHANISTAN:

†*Tilletia contraversa*

## AFRICA:

*Phoma citricarpa*  
*Scutellonema bradyi*

## AMERICAN SAMOA:

†*Macrophoma cocos*

## ARGENTINA:

*Elsinoe australis*  
*Heterodera cacti*  
*Heterodera rostochiensis*  
*Meloidogyne arenaria*  
*Meloidogyne incognita*  
*Xanthomonas* sp. (Cancrosis B)

## AUSTRALIA:

*Cerebella andropogonis*  
*Cyrtospora longispora*  
*Macrophoma araucariae*  
*Meloidogyne hapla*  
*Meloidogyne javanica*  
*Phoma araucariae*  
*Phoma citricarpa*  
*Septoria depressa*  
*Sphaceloma fawcettii* var. *scabiosa*

## AUSTRIA:

*Chrysomyxa ledi* var. *rhododendri*

## AZORES:

*Puccinia striiformis*

## BAHAMAS:

*Ophiobolus versisporus*  
*Uredo epidendri*

## BELGIUM:

*Exobasidium vaccinii*  
*Heterodera punctata*  
†*Leptosphaeria eustomoides*  
*Memmoniella echinata*  
*Phyllosticta aucubicola*  
*Septoria avenae*

## BERMUDA:

*Cercospora neriella*  
*Macrophoma araucariae*  
*Meloidogyne incognita*  
*Uromyces lineolatus*

## BRAZIL:

*Asperisporium caricae*  
*Cercospora coffeicola*  
*Colletotrichum musae*  
*Elsinoe australis*  
*Meloidogyne incognita acrita*  
*Meloidogyne javanica*  
*Popularia sphaerosperma*  
*Phoma citricarpa*  
*Uredo behnickiana*  
*Uredo epidendri*  
*Uredo guacae*  
*Uredo oncidii*

## BRITISH GUIANA:

*Pseudomicrocera henningsii*

## BRITISH HONDURAS:

*Pestalotia conspicua*  
*Uredo guacae*  
*Uredo oncidii*

## BRITISH ISLES:

*Heterodera rostochiensis*

## CANADA:

†*Chrysomyxa ledi* var. *rhododendri*  
*Chrysomyxa ledicola*  
*Colletotrichum dematium*  
†*Coryneum carpophilum*†*Cytospora chrysosperma*  
*Meloidogyne hapla*  
†*Phomopsis quercella*

## CANAL ZONE:

†*Coniothyrium stanhopeae*  
†*Diplodia coccoearpa*  
*Meloidogyne arenaria*  
*Meloidogyne incognita*  
*Phyllostictina pyriformis*  
*Uredo epidendri*  
*Uredo nigropuncta*

## CENTRAL AMERICA:

*Volutella albo-pila*

## CHINA:

*Memmoniella echinata*  
*Phoma citricarpa*  
*Silbum incarnatum*  
*Trisirachium dependens*  
*Uromyces coronatus*(?)  
*Xanthomonas citri*

## CHRISTMAS ISLAND:

†*Diaporthe arctii*

## COLOMBIA:

†*Meloidogyne incognita acrita*  
*Uredo anthurii*  
†*Uromyces commeliniae*

## COSTA RICA:

*Lembosia rolfsii*  
*Macrophoma musae*  
*Mycosphaerella rosigena*  
*Phyllachora engleri*  
†*Sphenospora kevorkianii*  
*Uredo behnickiana*  
*Uredo epidendri*  
*Uredo guacae*  
*Uredo nigropuncta*  
*Uredo oncidii*

## CUBA:

†*Coleosporium asterum*  
*Elsinoe mangiferae*  
†*Helicotylenchus multicinctus*  
*Meloidogyne incognita acrita*  
*Meloidogyne javanica*  
†*Pestalotia disseminata*  
*Sphenospora kevorkianii*  
†*Tylenchorhynchus acutus*  
*Uredo nigropuncta*

## CZECHOSLOVAKIA:

†*Heterodera avenae*

## DENMARK:

†*Coniothyrium diplodiella*  
*Heterodera rostochiensis*  
†*Uromyces limonii*

## DOMINICAN REPUBLIC:

†*Phyllosticta mortoni*  
†*Sphenospora kevorkianii*

## ECUADOR:

†*Cercospora angraeci*  
†*Cerotelium fici*

## EGYPT:

*Meloidogyne javanica*

## EL SALVADOR:

†*Cercospora coffeicola*  
†*Colletotrichum crassipes*  
*Uredo oncidii*

## ENGLAND:

*Alternaria dianthi*  
*Ceratozystis narcissii*  
*Colletotrichum dematium*

See footnotes at the end of this list.

## Countries of Origin and Diseases—Continued

## ENGLAND—Continued

- †*Diaporthe eres*  
*Ditylenchus dipsaci*  
*Fusarium oxysporum* f. *gladioli*  
*Heterodera avenae*  
*Heterodera cacti*  
*Heterodera humuli*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Meloidogyne hapla*  
†*Meloidogyne incognita acrita*  
*Memnoniella echinata*  
*Monilinia fructigena*  
*Mycosphaerella clintoniana*  
*Pestalotia funerea*  
*Puccinia arenariae*  
†*Pyrenochaeta berberidis*  
*Septoria chrysanthemi*  
*Septoria selenophomoides*  
†*Stemphylium botryosum*  
†*Urocystis anemones*

## ENGLAND(?):

- †*Cumminsia mirabilissima*

## ETHIOPIA:

- Ustilago nuda*

## EUROPE:

- Heterodera avenae*  
*Heterodera punctata*

## FEDERATION OF MALAYA:

- Phoma citricarpa*  
*Xanthomonas citri*

## FIJI ISLANDS:

- †*Meloidogyne javanica*

## FORMOSA:

- Phoma citricarpa*

## FRANCE:

- Heterodera punctata*  
*Meloidogyne javanica*  
†*Microthyriella rubi*  
*Monilinia fructigena*  
†*Mycosphaerella rubi*

## FRENCH WEST AFRICA:

- Meloidogyne incognita*  
*Meloidogyne incognita acrita*  
†*Meloidogyne javanica*  
†*Memnoniella echinata*

## GERMANY:

- Ceratocystis narcissii*  
*Chrysomyxa ledi* var. *rhododendri*  
*Coniothyrium hellebori*  
†*Griphosphaeria corticola*  
*Heterodera avenae*  
†*Heterodera humuli*  
*Heterodera punctata*  
*Heterodera rostochiensis*  
*Meloidogyne hapla*  
*Mycosphaerella fragariae*  
†*Sphaerotheca pannosa* var. *rosae*  
†*Tylenchus dabainei*  
†*Uromyces limonii*

## GREECE:

- †*Physalospora obtusa*  
†*Scutellonema brachyurum*  
†*Septoria limonium*  
*Septoria unedonis*

## GUAM:

- †*Macrophoma cocos*

## GUATEMALA:

- †*Cercospora cyripedii*  
†*Elsinoe mangiferae*  
*Meloidogyne arenaria*

- Septoria selenophomoides*  
*Uredo oncidii*

## HAWAII:

- Diplodia coccoearpa*  
*Macrophoma cocos*  
*Macrophoma musae*  
*Meloidogyne javanica*  
†*Pestalotia micheneri*  
*Uromyces altyiae*

## HONDURAS:

- †*Elsinoe mangiferae*  
*Memnoniella echinata*  
*Uredo epidendri*

## HONG KONG:

- Popularia sphaerosperma*  
*Phoma citricarpa*  
*Xanthomonas citri*

## INDIA:

- †*Hendersonia oryzae*  
†*Meloidogyne incognita acrita*  
*Meloidogyne javanica*  
*Phoma insidiosa*  
*Phyllachora graminis*  
*Phyllostictina pyriformis*  
*Puccinia striiformis*  
*Xanthomonas citri*

## IRELAND:

- †*Gothholdsteineria goodeyi*  
†*Helicotylenchus erythraeus*  
*Heterodera punctata*  
*Heterodera rostochiensis*

## ISRAEL:

- Heterodera avenae*  
*Meloidogyne incognita*(?)  
†*Meloidogyne javanica*

## ITALY:

- Alternaria citri*  
*Ascochyta pisi*  
*Botryosphaeria berengeriana* var. *araucariae*  
*Colletotrichum graminicola*  
*Coniothyrium hellebori*  
*Coniothecium scabrum*  
*Heterodera avenae*  
*Leptosphaeria rusci*  
*Meloidogyne incognita*  
*Meloidogyne javanica*  
*Puccinia buxi*  
*Sclerotium cepivorum*  
*Septoria citri*  
†*Tylenchulus semipenetrans*  
†*Xiphinema diversicaudatum*

## JAMAICA:

- Meloidogyne javanica*  
†*Sphenospora kevorkianii*  
*Uredo guacae*

## JAPAN:

- †*Aphelenchoides fragariae*(?)  
*Ascochyta pisi*  
*Botrytis gladiolorum*  
*Chlamydomyces palmarum*  
†*Colletotrichum dematium* f. *circinans*  
*Criconeumoides xenoplax*  
*Discohainesia oenotherae*  
*Gymnosporangium haraezanum*  
*Entyloma oryzae*  
*Heterodera cacti*  
†*Leptosphaeria eustomoides*  
†*Leptosphaeria michotii*  
*Leptosphaeria oryzina*  
†*Macrophoma cocos*  
*Meloidogyne arenaria*  
*Meloidogyne hapla*  
*Meloidogyne incognita acrita*  
*Mycosphaerella schoenoprasii*

See footnotes at end of this list.



## Countries of Origin and Diseases—Continued

## JAPAN—Continued

- †*Mystrosporium adustum*
- Necossia horrida*
- Nigrospora sphaerica*
- Ophiobolus oryzae*
- Papulaspora coprophila*
- Papulaspora parasitica*
- †*Pestalotia conspicua*
- Phoma citricarpa*
- Phyllachora graminis*
- †*Physalospora wildevaniana*
- †*Pratylenchus penetrans*
- Puccinia chrysanthemi*
- Puccinia horiana*
- Puccinia phyllostachydis*
- Sclerotopsis testudinea*
- Septoria chrysanthemi*
- Septoria citri*
- Septoria oryzae*
- †*Sphaerostilbe aurantiicola*(?)
- †*Tranzschelia pruni-spinosae*
- Trematosphaerella oryzae*
- Xanthomonas citri*

## KENYA:

- †*Meloidogyne javanica*

## MALTA:

- †*Heterodera rostochiensis*

## MEXICO:

- †*Allantonectria miltina*
- †*Ascochyta cucumis*(?)
- Asperisporium caricae*
- †*Asterinella epidendri*
- †*Botryosphaeria palmigena*
- Botrytis gladiolorum*
- Cercospora angraci*
- Cercospora gossypina*
- Cercospora insulana*
- †*Cercospora odontoglossi*
- †*Cercospora puderi*
- Cercospora purpurea*
- Cladosporium orchidearum*
- Coleosporium ipomoeae*
- Colletotrichum dematium*
- †*Coniothecium agaves*
- †*Coniothyrium globuliformis*
- †*Coniothyrium sootium*(?)
- Corynespora cassiicola*
- Curvularia lunata*
- Diplodia circinans*
- Diplodia coccozarpa*
- Ditylenchus dipsaci*
- Fusarium oxysporum* f. *gladioli*
- †*Geotrichum candidum*
- "Greasy spot"
- Guignardia traversii*
- †*Helicotylenchus erythrinae*
- Helicotylenchus nannus*
- Hendersonia opuntiae*
- Heterodera cacti*
- Heterodera punctata*
- Heterodera rostochiensis*
- "Leprosis"
- Macrophoma cocos*
- †*Melampyris paradoxa*(?)
- Meloidogyne arenaria*
- Meloidogyne hapla*
- Meloidogyne incognita*
- Meloidogyne incognita acrita*
- Meloidogyne javanica*
- Micropeltis bakeri*
- Mycosphaerella cattleyae*
- Mycosphaerella opuntiae*
- †*Mycosphaerella serrulatae*
- Myrothecium roridum*
- Neofabraea malicorticis*
- Omphalia flarida*
- Popularia sphaerosperma*
- †*Parodiella congregata*
- Periconia pycnospora*
- Pestalotia conspicua*

- Pestalotia psidii*
- Phoma psidii*
- †*Phyllosticta chrysanthemi*
- †*Phyllosticta palmicola*
- Phyllostictina pyrifomis*
- Phytophthora capsici*
- Pseudomicrocera henningsii*
- Pseudomonas tonelliana*
- †*Pilenchus hilarulus*
- Puccinia chloridis*
- Puccinia cynodontis*
- Pythium aphanidermatum*
- †*Pythium ultimum*
- †*Ravenelia mesillana*
- Ring spot virus
- †*Scirrhia lophodermioides*
- Scopulariopsis brevicaulis* var. *glabra*
- Scutellonema brachyurum*
- Septonema intercalare*
- Septoria citri*
- Septoria selenophomoides*
- Sphaceloma punicea*
- †*Sphaceloma rosarum*
- Sphaenosporea mera*(?)
- Stagonospora macrospora*
- †*Tobacco ring spot virus*(?)
- †*Tylenchorhynchus acutus*
- Tylenchorhynchus capitatus*
- †*Tylenchorhynchus martini*
- †*Tylenchus polyhymnus*
- Uredo behnickiana*
- Uredo oncidii*
- Valsella pedicellata*

## NETHERLANDS:

- Aphelenchoides fragariae*(?)
- Botrytis gladiolorum*
- Cercospora handelii*
- †*Chalaropsis thielapsis*
- Coniothyrium cytisetum*
- Coniothyrium hellebori*
- †*Cylindrocarpum radiclecola*
- Diplodina leucothoes*
- Diplodina eurhododendri*
- Discohaimesia oenotherae*
- Ditylenchus dipsaci*
- Fusicoccum galericulatum*
- Helicotylenchus nannus*
- Hendersonia piriformis*
- Heterodera punctata*
- Meloidogyne hapla*
- Monochaetia compta*
- †*Myzosporeum everhartii*
- Oosporeum pustulans*
- †*Papulaspora dodgei*
- Pestalotia macrotricha*
- Pestalotia rhododendri*
- Phoma lingam*
- Pratylenchus penetrans*
- Pratylenchus pratensis*
- Septoria azaleae*
- Urocystis gladiolicola*
- †*Venturia rhododendri*(?)
- "Yellow spot" virus

## NEW GUINEA:

- †*Macrophoma araucariae*
- †*Meloidogyne arenaria*
- Pestalotia conspicua*
- †*Pestalotia micheneri*

## NEW ZEALAND:

- Ceratocystis narcissii*
- Cerebella andropogonis*
- Heterosporium iridis*
- †*Physalospora camptopora*
- Sphaceloma fawcettii* var. *scabiosa*

## NICARAGUA:

- †*Uredo epidendri*

## NORFOLK ISLAND:

- Cryptospora longispora*
- Macrophoma araucariae*

See footnotes at end of this list

## Countries of Origin and Diseases—Continued

## NORWAY:

- †*Mycosphaerella vaccinii*
- †*Plowrightia virgultorum*

## PAKISTAN:

- †*Curvularia geniculata*
- †*Xanthomonas citri*

## PANAMA:

- Cercospora musae*
- †*Puccinia thaliae*
- Uredo behnickiana*
- Uredo scabies*

## PERU:

- †*Cercospora insulana*
- Heterodera rostochiensis*
- Meloidogyne incognita*

## PHILIPPINES:

- Phoma citricarpa*

## PORTUGAL:

- †*Ascochyta pisi*
- †*Aspergillus mangini*
- †*Colletotrichum graminicola*
- †*Mycosphaerella coffeicola*
- †*Uromyces lineolatus*

## PUERTO RICO:

- Cercospora canescens*
- †*Cercospora columnaris*
- Elsinoe phaseoli*
- †*Meloidogyne javanica*
- Puccinia urbaniana*

## SCOTLAND:

- Ditylenchus dipsaci*
- Heterodera rostochiensis*
- †*Pseudomonas viburni*

## SINGAPORE:

- †*Meloidogyne incognita*
- Phoma citricarpa*
- Septoria citri*(?)
- Xanthomonas citri*

## SPAIN:

- †*Dendrophoma cytosporoides* var. *punicina*
- Heterodera avenae*
- Monilinia fructigena*
- Septoria citri*
- †*Septoria piricola*
- †*Uromyces phaseoli*

## SURINAM:

- †*Micropeltis bakeri*

## SWEDEN:

- Heterodera rostochiensis*
- †*Puccinia arenariae*

## SWITZERLAND:

- Chrysomya ledi* var. *rhododendri*
- Discohainesia oenotherae*

## THAILAND:

- Phoma citricarpa*

## TRINIDAD:

- †*Heterodera cacti*
- †*Meloidogyne incognita acrita*
- Phyllostictina pyriformis*
- †*Scutellonema christiei*

## TURKEY:

- Ustilago bullata*

## UNION OF SOUTH AFRICA:

- Collectotrichum sematium*
- Didymella ornithogali*
- Heterosporium ornithogali*
- Meloidogyne incognita*
- Phoma citricarpa*
- Puccinia ornithogali-thyrsoidea*
- †*Septoria selenophomoides*

## UNKNOWN:

- Botryosphaeria ribis*
- Elsinoe australis*
- Elsinoe mangiferae*
- Heterodera punctata*
- Macrophoma musae*
- Phoma citricarpa*
- Puccinia angustata*
- Septoria citri*

## URUGUAY:

- †*Diaporthe oncostoma*

## VENEZUELA:

- †*Botrytis gladiolorum*
- †*Heterodera cacti*

## WEST AFRICA:

- Meloidogyne incognita*

A dagger (†) indicates a first interception from the country named.

A double dagger (‡) indicates first record of its interception by Division inspectors.







